

# Receiving Report

Date: 16-11-22

Batch No: 34353

Supplier: Aviall

Dart P/O: 136192

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☒ No ☒  
 Receipt: Cash ☐ Cr ☒  
 New Supplier Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☒ No ☐  
 Shipment Complete: Yes ☐ No ☒ N/A ☐  
 QC18 Inspection ☐ N/A ☒  
 Work Order ☐ N/A ☒

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

Sp

Production/Admin: \_\_\_\_\_  
 Date \_\_\_\_\_  
 Received/Costing \_\_\_\_\_  
 Initial \_\_\_\_\_

Location \_\_\_\_\_



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID **PO34353**

Purchase Order Date 11/17/2016

PO Print Date 11/18/2016

Page Number 1 of 7

**Order From :**

AVIALL  
PO BOX 842275

DALLAS, TX 75284-2275  
USA

VU-AVI003

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

*REVISED*

**Contact Name**

**Vendor Phone** 905-676-1695

**Ship To Contact**

**Ship To Phone**

**Ship Via:** FedEx Overnight collect

**Ship Acct:**

**Buyer**

**Customer POID**

**Customer Tax #**

**Terms**

**Currency**

**FOB**

Chantal Lavoie

10127-2607

Net 30

USD

EXW - (Ex Works)

*m 136192*

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	600.1012	Sealant PR1425B2 (#654 sem)	11/22/2016 Yes 11/22/2016	FN	10.00 Each	\$59.03	\$590.30
						<b>Line Total:</b>	<b>\$590.30</b>
2	AN3-10A	Bolt	11/22/2016 Yes 11/22/2016	FN	100.00 Each	\$0.10	\$10.00
						<b>Line Total:</b>	<b>\$10.00</b>
3	AN3-11A	Bolt	11/22/2016 Yes 11/22/2016	FN	100.00 Each	\$0.11	\$11.00

NOV 22 2016

DAS  
2016  
9-89

**PO Instructions:** Fedex Acc#151793240

**Note:**

11/18/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
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Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID PO34353

Purchase Order Date 11/17/2016

PO Print Date 11/18/2016

Page Number 2 of 7

Order From :  
AVIALL  
PO BOX 842275

VU-AVI003

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

DALLAS, TX 75284-2275  
USA

Contact Name  
Vendor Phone 905-676-1695  
  
Ship To Contact  
Ship To Phone  
Ship Via: FedEx Overnight collect  
Ship Acct:

Buyer Chantal Lavoie  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency USD  
FOB EXW - (Ex Works)

				Line Total:	\$11.00
4	AN316C4R ✓	Nut, Jam ✓	11/22/2016 Yes 11/22/2016	40.00 ✓ Each	<del>\$0.96</del> <del>\$38.40</del>
331.				Line Total:	\$38.40
5	AN3-35A ✓	Bolt ✓	11/22/2016 FN Yes 11/22/2016	100.00 ✓ Each	<del>\$0.47</del> <del>\$47.00</del>
Over 600.				Line Total:	\$47.00
6	AN3C10A ✓	Bolt ✓	11/22/2016 FN Yes 11/22/2016	10.00 ✓ Each	<del>\$0.46</del> <del>\$4.60</del>
2281002.				Line Total:	\$4.60

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26  
9-89

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PO Print Date 11/18/2016

Page Number 3 of 7

**Order From :**

AVIALL  
PO BOX 842275

DALLAS, TX 75284-2275  
USA

VU-AVI003

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

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**Vendor Phone**

905-676-1695

**Ship To Contact**

**Ship To Phone**

**Ship Via:**

FedEx Overnight collect

**Ship Acct:**

**Buyer**

**Customer POID**

**Customer Tax #**

**Terms**

**Currency**

**FOB**

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Net 30

USD

EXW - (Ex Works)

7	AN4-11A	BOLT	11/22/2016 Yes 11/22/2016	FN	50.00 Each	\$0.17	\$8.50
<b>Line Total:</b>							<b>\$8.50</b>
8	AN4-14A	Bolt	11/22/2016 Yes 11/22/2016	FN	200.00 Each	\$0.20	\$40.00
<b>Line Total:</b>							<b>\$40.00</b>
9	AN4-42A	Bolt	11/22/2016 Yes 11/22/2016	FN	40.00 Each	\$0.97	\$38.80
<b>Line Total:</b>							<b>\$38.80</b>
10	AN4-7A	Bolt	11/22/2016 Yes 11/22/2016	FN	100.00 Each	\$0.15	\$15.00
<b>Line Total:</b>							<b>\$15.00</b>

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11/18/2016

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PO Print Date 11/18/2016

Page Number 4 of 7

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PO BOX 842275

DALLAS, TX 75284-2275  
USA

VU-AVI003

Ship To : DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name

Vendor Phone

905-676-1695

Ship To Contact

Ship To Phone

Ship Via:

FedEx Overnight collect

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

USD

EXW - (Ex Works)

11 AN4C13A

BOLT

11/22/2016

Yes

11/22/2016

50.00  
Each

Line Total:

\$15.00

\$0.64

\$32.00

12 AN5-10A

Bolt

11/22/2016

Yes

11/22/2016

50.00  
Each

Line Total:

\$32.00

\$0.25

\$12.50

13 CR3213-4-04

Rivet

11/22/2016

Yes

11/22/2016

400.00  
Each

Line Total:

\$12.50

\$0.30

\$119.04

Line Total:

\$119.04

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26  
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PO Instructions: Fedex Acc#151793240

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11/18/2016



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Purchase Order Date 11/17/2016

PO Print Date 11/18/2016

Page Number 5 of 7

**Order From :**

AVIALL  
PO BOX 842275

DALLAS, TX 75284-2275  
USA

VU-AV1003

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 905-676-1695

**Ship To Contact**

**Ship To Phone**

**Ship Via:** FedEx Overnight collect

**Ship Acct:**

**Buyer**

**Customer POID**

**Customer Tax #**

**Terms**

**Currency**

**FOB**

Chantal Lavoie

10127-2607

Net 30

USD

EXW - (Ex Works)

14	MS21042L3	Nut	11/22/2016 Yes 11/22/2016	FN	600.00 Each	0.14	\$84.00
<b>Line Total:</b>							<b>\$84.00</b>
15	MS21043-4	Nut	11/22/2016 Yes 11/22/2016	FN	300.00 Each	0.42	\$126.00
<b>Line Total:</b>							<b>\$126.00</b>
16	MS21919WCF8	Clamp	11/22/2016 Yes 11/22/2016	FN	6.00 Each	1.15	\$6.90
<b>Line Total:</b>							<b>\$6.90</b>
17	NAS1611-005	O-RING	11/22/2016 Yes 11/22/2016		92.00 Each	0.38	\$34.96
<b>Line Total:</b>							<b>\$34.96</b>

over 1007

over 1007

291

NAS1611-005A ACCEPTABLE FPOW

**PO Instructions:** Fedex Acc#151793240

**Note:**

11/18/2016



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1270 Aberdeen Street  
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Purchase Order ID PO34353

Purchase Order Date 11/17/2016

PO Print Date 11/18/2016

Page Number 6 of 7

Order From :  
AVIALL  
PO BOX 842275

VU-AVI003

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

DALLAS, TX 75284-2275  
USA

Contact Name  
Vendor Phone 905-676-1695  
  
Ship To Contact  
Ship To Phone  
Ship Via: FedEx Overnight collect  
Ship Acct:

Buyer Chantal Lavoie  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency USD  
FOB EXW - (Ex Works)

					Line Total:	\$34.96
18	NAS1149C0532R	WASHER	11/22/2016 Yes 11/22/2016	200.00 Each	\$0.03	\$6.00
					Line Total:	\$6.00
19	NAS1149D0463J	Washer	11/22/2016 FN Yes 11/22/2016	600.00 Each	\$0.03	\$18.00
					Line Total:	\$18.00
20	NAS1149D0663J	Washer	11/22/2016 FN Yes 11/22/2016	600.00 Each	\$0.04	\$24.00
					Line Total:	\$24.00

PO Instructions: Fedex Acc#151793240

Note:

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9-89

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PO Print Date 11/18/2016

Page Number 7 of 7

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VU-AVI003

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CANADA

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**Vendor Phone** 905-676-1695

**Ship To Contact**

**Ship To Phone**

**Ship Via:** FedEx Overnight collect

**Ship Acct:**

**Buyer**

**Customer POID**

**Customer Tax #**

**Terms**

**Currency**

**FOB**

Chantal Lavoie

10127-2607

Net 30

USD

EXW - (Ex Works)

21	71401-45	PROCUREMENT QUALITY CLAUSES	11/22/2016	1.00	\$0.00	\$0.00
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No

11/22/2016

**Procurement Quality Clauses**

A005 RIGHT OF ENTRY

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A015 SHELF LIFE CONTROLLED MATERIAL; 60% SHELF  
LIFE REQUIRED ACCEPTABLE

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT

A033 STATEMENT OF CONFORMITY/TEST RECORDS

FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A043 RETENTION OF QUALITY DOCUMENT

**Line Total:** \$0.00

**PO Total:** \$1,267.00

**PO Instructions:** Fedex Acc#151793240

**Note:** Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

**Change Nbr:** 3

**Change Date:** 11/18/2016



A BOEING COMPANY

# BOX CONTENT LIST



ODO: 310005231367

ROUTE: FDXIPA

PAGE: 1 of 4  
DATE: 11/18/2016  
TIME: 20:37:07



Handling Unit: 110000000498959015

Packed at WorkCenter: SI09

CUSTOMER PO:34353  
ORDER NUMBER:8003826768

B CU10003952  
I DART AEROSPACE LTD  
L 1270 ABERDEEN STREET  
L HAWKESBURY ON K6A 1K7  
T CANADA  
O

S CU10003952  
H DART AEROSPACE LTD  
I 1270 ABERDEEN STREET  
P HAWKESBURY ON K6A 1K7  
T CANADA  
O

S 1000  
H AVIALL CENTRAL WAREHOUSE  
I DALLAS CDC  
P PO Box 619048  
F DFW AIRPORT TX 75261  
R USA  
O

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	UOM
00010		5N	PR1425B2-60Z=5N SEALANT: 654 SEMKIT	10	10	EA
	BATCH 7364342177		Exp Date: 05/31/2017		10	
00020		28	AN3-10A=28 BOLT: HEX HD,ST	100	100	EA
	BATCH 7364344947		Exp Date:		100	
00030		28	AN3-11A=28 BOLT: HEX HD,ST	100	100	EA
	BATCH 7364389716		Exp Date:		100	
00040		28	AN316C4R=28 NUT: HEX HD,CRES	40	40	EA
	BATCH 7364370821		Exp Date:		40	
00050		28	AN3-35A=28 BOLT: HEX HD,ST	100	100	EA
	BATCH 7364352119		Exp Date:		100	

NOV 22 2016

DAS  
26  
9-89

**This is not an invoice.  
For payment processing, please refer to Invoice.**

The recipient of these goods agrees to comply with all export regulations governing the transfer, sale, lease or use of these goods.  
Diversion contrary to U.S. Law is prohibited.

## CERTIFICATE OF CONFORMANCE

It is hereby certified that Aviall Services, Inc., is an approved distributor and meets all requirements of ISO9001, AS9100, AS9120 and AC 00-56 at 2750 Regent Blvd. DFW Airport, Texas. The products, articles or parts referenced on this document are in new or overhauled condition and were purchased from an approved source (FAA, EASA, TCCA, Mil Spec or Commercial). The Original Manufacturers' Certifications are maintained on file at our central office location, and copies are available upon request or at Aviall.com. For overhauled or repaired products, articles or parts, the original FAA 8130-3 / EASA Form 1 (Return to Service) or Yellow Tag, from the FAA/JAA/EASA approved Air Agency are attached to the component.

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL  
RETURNED MERCHANDISE SUBJECT TO HANDLING  
FEE.  
THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH  
THE PROVISIONS OF THE FAIR LABOR ACT OF 1938  
AMENDED.

CUSTOMER COPY

ODO: 310005231367

ROUTE: FDXIPA

Handling Unit: 110000000498959015

Packed at WorkCenter: SI09

 CUSTOMER PO:34353  
 ORDER NUMBER:8003826768

 B CU10003952  
 I DART AEROSPACE LTD  
 L 1270 ABERDEEN STREET  
 L HAWKESBURY ON K6A 1K7  
 T CANADA  
 O

 S CU10003952  
 H DART AEROSPACE LTD  
 I 1270 ABERDEEN STREET  
 P HAWKESBURY ON K6A 1K7  
 T CANADA  
 O

 S 1000  
 H AVIALL CENTRAL WAREHOUSE  
 I DALLAS CDC  
 P PO Box 619048  
 F DFW AIRPORT TX 75261  
 R USA  
 O

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	UOM
00180		28	NAS1149C0532R=28 WASHER: FLT,ST	200	200	EA
			BATCH 7364298112 Exp Date:		200	
00190		28	NAS1149D0463J=28 WASHER: FLT,AL	600	600	EA
			BATCH 7364387203 Exp Date:		600	
00200		28	NAS1149D0663J=28 WASHER: FLT,AL	600	600	EA
			BATCH 7364298958 Exp Date:		600	

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 DAS  
 26  
 9-89

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 AMENDED.



## BOX CONTENT LIST



ODO: 310005232968

ROUTE: FDXIPA

PAGE: 1 of 1  
DATE: 11/21/2016  
TIME: 13:06:25

Handling Unit: 110000000498979730

Packed at WorkCenter: SE04

CUSTOMER PO:34353  
ORDER NUMBER:8003828522B CU10003952  
I DART AEROSPACE LTD  
L 1270 ABERDEEN STREET  
L HAWKESBURY ON K6A 1K7  
T CANADA  
OS CU10003952  
H DART AEROSPACE LTD  
I 1270 ABERDEEN STREET  
P HAWKESBURY ON K6A 1K7  
T CANADA  
OS 1000  
H AVIALL CENTRAL WAREHOUSE  
I DALLAS CDC  
P PO Box 619048  
F DFW AIRPORT TX 75261  
R USA  
M

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	UOM			
00150		28	MS21043-4=28 NUT: SELF-LKG,CRES	300	300	EA			
			BATCH 7364400766		300				

DAS  
26  
9-55

NOV 22 2016

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FEE.

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CUSTOMER COPY



## PACKING LIST



DELIVERY NUMBER: 8003828522

ROUTE: US FedEx International Priority

PAGE:1 of 1  
DATE:21NOV16  
TIME:13:07:27  
EMP:00000000

ORD TYP: ZOR\*169

CURRENCY:USD

TERMS:Net 30

CUSTOMER PO:34353  
ORDER NUMBER:1002644184  
ORDER DATE:18NOV16B 10003952  
I DART AEROSPACE LTD  
L 1270 ABERDEEN STREET  
L HAWKESBURY ON K6A 1K7  
CANADA  
T  
OS 10003952  
H DART AEROSPACE LTD  
I 1270 ABERDEEN STREET  
P HAWKESBURY ON K6A 1K7  
CANADA  
T  
OS 1000  
H AVIALL CENTRAL WAREHOUSE  
I DALLAS CDC  
P 2750 REGENT BLVD  
DFW AIRPORT TX 75261  
USA  
F  
R  
O  
M

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM		CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00010	0	28	MS21043-4 NUT: SELF-LKG,CRES	300	300		EA		0.42	126.00
			BATCH 7364400766		300					

DAS  
9-26

NOV 22 2016

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JR Hofmann, Director, Global Quality

21NOV16  
Date

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AMENDED.

CUSTOMER COPY





## PACKING LIST



DELIVERY NUMBER: 8003826768

ROUTE: US FedEx International Priority

PAGE:1 of 4  
DATE:18NOV16  
TIME:20:43:47  
EMP:00000000  
ORD TYP: ZOR 169  
CURRENCY:USD  
TERMS:Net 30

CUSTOMER PO:34353  
ORDER NUMBER:1002644184  
ORDER DATE:18NOV16

B 10003952  
I DART AEROSPACE LTD  
L 1270 ABERDEEN STREET  
L HAWKESBURY ON K6A 1K7  
T CANADA  
O

S 10003952  
H DART AEROSPACE LTD  
I 1270 ABERDEEN STREET  
P HAWKESBURY ON K6A 1K7  
T CANADA  
O

S 1000  
H AVIALl CENTRAL WAREHOUSE  
I DALLAS CDC  
P 2750 REGENT BLVD  
F DFW AIRPORT TX 75261  
R USA  
O

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM	CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00010	0	5N	PR1425B2-60Z SEALANT: 654 SEMKIT	10	10	0	EA	59.03	590.30
			BATCH 7364342177 Exp Date: 31MAY17		10				
00020	0	28	AN3-10A BOLT: HEX HD,ST	100	100	0	EA	0.10	10.00
			BATCH 7364344947		100				
00030	0	28	AN3-11A BOLT: HEX HD,ST	100	100	0	EA	0.11	11.00
			BATCH 7364389716		100				
00040	0	28	AN316C4R NUT: HEX HD,CRES	40	40	0	EA	0.96	38.40
			BATCH 7364370821		40				
00050	0	28	AN3-35A BOLT: HEX HD,ST	100	100	0	EA	0.47	47.00
			BATCH 7364352119		100				
00060	0	28	AN3C10A BOLT: HEX HD,SS	10	10	0	EA	0.46	4.60

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NOV 22 2016

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AMENDED.

CUSTOMER COPY

JR Hofmann, Director, Global Quality

18NOV16  
Date



## PACKING LIST



DELIVERY NUMBER: 8003826768

ROUTE: US FedEx International Priority

PAGE:2 of 4  
DATE:18NOV16  
TIME:20:43:47  
EMP:00000000  
ORD TYP: ZOR 169  
CURRENCY:USD  
TERMS:Net 30

CUSTOMER PO:34353  
ORDER NUMBER:1002644184  
ORDER DATE:18NOV16

B 10003952  
I DART AEROSPACE LTD  
L 1270 ABERDEEN STREET  
L HAWKESBURY ON K6A 1K7  
T CANADA  
O

S 10003952  
H DART AEROSPACE LTD  
I 1270 ABERDEEN STREET  
P HAWKESBURY ON K6A 1K7  
T CANADA  
O

S 1000  
H AVIALL CENTRAL WAREHOUSE  
I DALLAS CDC  
P 2750 REGENT BLVD  
FROM DFW AIRPORT TX 75261  
USA

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM	CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00080	0	28	BATCH 7364154089 AN4-14A BOLT: HEX HD,ST	200	200		0 EA	0.20	40.00
00090	0	28	BATCH 7364354105 AN4-42A BOLT: HEX HD,ST	40	40		0 EA	0.97	38.80
00100	0	28	BATCH 7364309883 AN4-7A BOLT: HEX HD,ST	100	100		0 EA	0.15	15.00
00110	0	28	BATCH 7364127469 AN4C13A BOLT: HEX HD,SS	50	50		0 EA	0.64	32.00
00120	0	28	BATCH 7364314122 AN5-10A BOLT: HEX HD,ST	50	50		0 EA	0.25	12.50
00130	0	29	BATCH 7364253894 CR3213-4-04	4	4		0 PAK	29.76	119.04

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9-89

NOV 22 2016

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ROUTE: US FedEx International Priority

PAGE:3 of 4  
DATE:18NOV16  
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EMP:00000000  
ORD TYP: ZOR-169\*  
CURRENCY:USD  
TERMS:Net 30

CUSTOMER PO:34353  
ORDER NUMBER:1002644184  
ORDER DATE:18NOV16

B 10003952  
I DART AEROSPACE LTD  
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L HAWKESBURY ON K6A 1K7  
T CANADA  
O

S 10003952  
H DART AEROSPACE LTD  
I 1270 ABERDEEN STREET  
P HAWKESBURY ON K6A 1K7  
T CANADA  
O

S 1000  
H AVIALL CENTRAL WAREHOUSE  
I DALLAS CDC  
P 2750 REGENT BLVD  
F DFW AIRPORT TX 75261  
R USA  
O

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM	CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
RIVET: BLIND, UNIV HD, 100PK									
00140	0	28	BATCH 7364370649 MS21042L3 NUT: SELF-LKG, ST	600	600	4	0 EA	0.14	84.00
00160	0	15	BATCH 7364309177 MS21919WCF8 CLAMP: LOOP, CUSHION, CRES	6	6	600	0 EA	1.15	6.90
00170	0	15	BATCH 7364355373 NAS1611-005A ORING: RUBBER, EPM, 80A Exp Date: 29JUN20	92	92	6	0 EA	0.38	34.96
00180	0	28	BATCH 0712831769 NAS1149C0532R WASHER: FLT, ST	200	200	92	0 EA	0.03	6.00
00190	0	28	BATCH 7364298112 NAS1149D0463J WASHER: FLT, AL	600	600	200	0 EA	0.03	18.00
BATCH 7364387203					600				

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DELIVERY NUMBER: 8003826768

ROUTE: US FedEx International Priority

PAGE:4 of 4

DATE:18NOV16

TIME:20:43:47

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CURRENCY:USD

TERMS:Net 30

CUSTOMER PO:34353  
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B 10003952  
I DART AEROSPACE LTD  
L 1270 ABERDEEN STREET  
L HAWKESBURY ON K6A 1K7  
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S 10003952  
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T CANADA  
O

S 1000  
H AVIALL CENTRAL WAREHOUSE  
I DALLAS CDC  
P 2750 REGENT BLVD  
F DFW AIRPORT TX 75261  
R USA  
O

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM	CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00200	0	28	NAS1149D0663J WASHER: FLT,AL BATCH 7364298958	600	600	0	EA	0.04	24.00

NOV 22 2016

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9-89

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A BOEING COMPANY

AVIALL SERVICES INC  
2750 REGENT BLVD  
DFW AIRPORT TX 75261

# Commercial Invoice

Tracking Number 703410385410		Government Transaction Number <b>NOEEI FTR 30.36</b>	
Ship From AVIALL CENTRAL WAREHOUSE 2750 REGENT BLVD. DFW AIRPORT TX 75261		Delivery Number 8003826768	
		Commercial Invoice Number 9304730479	
		Ship Date 18 November, 2016	
		Incoterms EXW Shipping Point	

Sold To DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ultimate Consignee DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ship To DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Freight Forwarder FEDEX FEDEX NATIONAL LTL INC PO BOX 94515 PALATINE IL 60094-4515	400010
						Tax Number: 20-4734803	

Comments:

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Value USD	Extended Value USD
10	PR1425B2-60Z - SEALANT: 654 SEMKIT Export Tariff: 3214905000 Export Classification: EAR99 Authorization: NLRAT_NOV_2016 Sales Order: 1002644184 PO: 34353 Batch Number: 7364342177	US	10	EA	59.03	590.30
20	AN3-10A - BOLT: HEX HD,ST Export Tariff: 7318152000 Export Classification: EAR99 Authorization: NLRAT_NOV_2016 Sales Order: 1002644184 PO: 34353 Batch Number: 7364344947	US	100	EA	0.10	10.00
30	AN3-11A - BOLT: HEX HD,ST Export Tariff: 7318152000 Export Classification: EAR99 Authorization: NLRAT_NOV_2016 Sales Order: 1002644184 PO: 34353 Batch Number: 7364389716	US	100	EA	0.11	11.00
40	AN316C4R - NUT: HEX HD,CRES Export Tariff: 7318160000 Export Classification: 9A991.d Authorization: NLRAT_NOV_2016 Sales Order: 1002644184 PO: 34353 Batch Number: 7364370821	US	40	EA	0.96	38.40

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A BOEING COMPANY

# Commercial Invoice

Delivery Number	Commercial Invoice Number
8003826768	9304730479

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Price	Extended Value
					USD	USD
50	AN3-35A - BOLT: HEX HD,ST Export Tariff: 7318152000 Export Classification: EAR99 Authorization: NLRAT_NOV_2016 Sales Order: 1002644184 PO: 34353 Batch Number: 7364352119	US	100	EA	0.47	47.00
60	AN3C10A - BOLT: HEX HD,SS Export Tariff: 7318152000 Export Classification: EAR99 Authorization: NLRAT_NOV_2016 Sales Order: 1002644184 PO: 34353 Batch Number: 7364154089	US	10	EA	0.46	4.60
80	AN4-14A - BOLT: HEX HD,ST Export Tariff: 7318152000 Export Classification: EAR99 Authorization: NLRAT_NOV_2016 Sales Order: 1002644184 PO: 34353 Batch Number: 7364354105	US	200	EA	0.20	40.00
90	AN4-42A - BOLT: HEX HD,ST Export Tariff: 7318152000 Export Classification: EAR99 Authorization: NLRAT_NOV_2016 Sales Order: 1002644184 PO: 34353 Batch Number: 7364309883	US	40	EA	0.97	38.80
100	AN4-7A - BOLT: HEX HD,ST Export Tariff: 7318152000 Export Classification: EAR99 Authorization: NLRAT_NOV_2016 Sales Order: 1002644184 PO: 34353 Batch Number: 7364127469	US	100	EA	0.15	15.00
110	AN4C13A - BOLT: HEX HD,SS Export Tariff: 7318152000 Export Classification: EAR99 Authorization: NLRAT_NOV_2016 Sales Order: 1002644184 PO: 34353 Batch Number: 7364314122	US	50	EA	0.64	32.00
120	AN5-10A - BOLT: HEX HD,ST Export Tariff: 7318152000 Export Classification: EAR99 Authorization: NLRAT_NOV_2016 Sales Order: 1002644184 PO: 34353 Batch Number: 7364253894	US	50	EA	0.25	12.50

NOV 22 2016

9-22-2016



# Commercial Invoice

A BOEING COMPANY

Delivery Number

8003826768

Commercial Invoice Number

9304730479

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Price USD	Extended Value USD
130	CR3213-4-04 - RIVET: BLIND,UNIV HD,100PK Export Tariff: 8308200000 Export Classification: 9A991.d Authorization: NLRAT_NOV_2016 Sales Order: 1002644184 PO: 34353 Batch Number: 7364370649	US	4	PAC	29.76	119.04
140	MS21042L3 - NUT: SELF-LKG,ST Export Tariff: 7318160000 Export Classification: 9A991.d Authorization: NLRAT_NOV_2016 Sales Order: 1002644184 PO: 34353 Batch Number: 7364309177	US	600	EA	0.14	84.00
160	MS21919WCF8 - CLAMP: LOOP,CUSHION,CRES Export Tariff: 7326908595 Export Classification: 9A991.d Authorization: NLRAT_NOV_2016 Sales Order: 1002644184 PO: 34353 Batch Number: 7364355373	US	6	EA	1.15	6.90
170	NAS1611-005A - ORING: RUBBER,EPM,80A Export Tariff: 4016930000 Export Classification: 9A991.d Authorization: NLRAT_NOV_2016 Sales Order: 1002644184 PO: 34353 Batch Number: 0712831769	US	92	EA	0.38	34.96
180	NAS1149C0532R - WASHER: FLT,ST Export Tariff: 7318220000 Export Classification: 9A991.d Authorization: NLRAT_NOV_2016 Sales Order: 1002644184 PO: 34353 Batch Number: 7364298112	US	200	EA	0.03	6.00
190	NAS1149D0463J - WASHER: FLT,AL Export Tariff: 7616108000 Export Classification: 9A991.d Authorization: NLRAT_NOV_2016 Sales Order: 1002644184 PO: 34353 Batch Number: 7364387203	US	600	EA	0.03	18.00
200	NAS1149D0663J - WASHER: FLT,AL Export Tariff: 7616108000 Export Classification: 9A991.d Authorization: NLRAT_NOV_2016 Sales Order: 1002644184 PO: 34353 Batch Number: 7364298958	US	600	EA	0.04	24.00

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NOV 22 2016



A BOEING COMPANY

# Commercial Invoice

Delivery Number	Commercial Invoice Number
8003826768	9304730479

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Price USD	Extended Value USD
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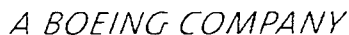
Gross Value	1,132.50
Add on Charges	
Tax Value	
Freight Charges	
Total Net Value	1,132.50

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NOV 22 2016





AVIALL SERVICES INC  
2750 REGENT BLVD  
DFW AIRPORT TX 75261

	Government Transaction Number <b>NOEEI FTR 30.36</b>
Tracking Number  703410389437	Delivery Number  8003828522
Ship From  LU_US_1000	Commercial Invoice Number  9304734204
AVIALL CENTRAL WAREHOUSE 2750 REGENT BLVD. DFW AIRPORT TX 75261	Ship Date  21 November, 2016
	Incoterms  EXW Shipping Point

[illegible]

Comments:

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Value USD	Extended Value USD
150	MS21043-4 - NUT: SELF-LKG,CRES Export Tariff: 7318160000      Export Classification: EAR99 Authorization: NLRAT_NOV_2016 Sales Order: 1002644184      PO: 34353 Batch Number: 7364400766	US	300	EA	0.42	126.00

<b>Gross Value</b>	126.00
<b>Add on Charges</b>	
<b>Tax Value</b>	
<b>Freight Charges</b>	
<b>Total Net Value</b>	126.00

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26  
9-89

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# SAFETY DATA SHEET



Date of issue/Date of revision 22 July 2015

Version 8

## Section 1. Identification

Product name : PR 1425 B 2 Part A  
Product code : PR 1425 B 2 Part A  
Other means of identification : Not available.  
Product type : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial applications.  
Use of the substance/  
mixture : Sealants  
Uses advised against : Not applicable.

Supplier : PPG Aerospace PRC-DeSoto  
12780 San Fernando Road  
Sylmar, CA 91342  
Phone: 818 362 6711

Emergency telephone number : (412) 434-4515 (U.S.)  
(514) 645-1320 (Canada)  
01-800-00-21-400 (Mexico)

## Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : ACUTE TOXICITY (Inhalation) - Category 4  
SKIN SENSITIZATION - Category 1  
CARCINOGENICITY - Category 1A  
TOXIC TO REPRODUCTION (Unborn child) - Category 1B  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2  
Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 36.6%

### GHS label elements

Hazard pictograms



Signal word : **Danger**

## Section 2. Hazards identification

**Hazard statements**

- : Harmful if inhaled.
- May cause an allergic skin reaction.
- May cause cancer.
- May damage the unborn child.
- May cause damage to organs through prolonged or repeated exposure.

**Precautionary statements****Prevention**

- : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Contaminated work clothing must not be allowed out of the workplace.

**Response**

- : Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention.

**Storage**

- : Store locked up.

**Disposal**

- : Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Supplemental label elements**

- : Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. NTP, IARC and OSHA have classified chromium (+6) compounds as carcinogenic. Emits toxic fumes when heated.

**Hazards not otherwise classified**

- : None known.

## Section 3. Composition/information on ingredients

**Substance/mixture**

- : Mixture

**Product name**

- : PR 1425 B 2 Part A

Ingredient name	%	CAS number
N,N-dimethylacetamide	≥25 - <31	127-19-5
calcium dichromate	≥10 - <25	14307-33-6
Talc, not containing asbestiform fibres	≥5 - <10	14807-96-6
magnesium carbonate	≥3 - <5	546-93-0
Kaolin	≥3 - <5	1332-58-7
carbon black, respirable powder	≥0.3 - <1	1333-86-4

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

**Occupational exposure limits, if available, are listed in Section 8.**

## Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

### Description of necessary first aid measures

- Eye contact** : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : Harmful if inhaled.
- Skin contact** : May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

## Section 4. First aid measures

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
metal oxide/oxides

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

### Methods and materials for containment and cleaning up

## Section 6. Accidental release measures

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Special precautions** : Ingestion of product or cured coating may be harmful. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
N,N-dimethylacetamide	<b>ACGIH TLV (United States, 4/2014).</b>
	<b>Absorbed through skin.</b>
	TWA: 36 mg/m <sup>3</sup> 8 hours.
	TWA: 10 ppm 8 hours.
	<b>OSHA PEL (United States, 2/2013).</b>
	<b>Absorbed through skin.</b>
	TWA: 35 mg/m <sup>3</sup> 8 hours.
	TWA: 10 ppm 8 hours.
calcium dichromate	<b>OSHA PEL (United States, 2/2013).</b>
	TWA: 0.005 mg/m <sup>3</sup> , (as Cr) 8 hours. Form:
	<b>OSHA PEL (United States).</b>
	TWA: 5 mg/m <sup>3</sup> Form:
	<b>ACGIH TLV (United States, 4/2014).</b>
	TWA: 0.05 mg/m <sup>3</sup> , (measured as Cr) 8 hours.
	Form: Soluble
	<b>ACGIH TLV (United States).</b>
	: 0.05 mg/m <sup>3</sup> Form: Total dust
	<b>OSHA PEL Z2 (United States, 2/2013).</b>
	CEIL: 1 mg/10m <sup>3</sup> , ()
Talc, not containing asbestiform fibres	<b>ACGIH TLV (United States, 4/2014).</b>
	TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable
	<b>OSHA PEL Z3 (United States, 2/2013).</b>
	TWA: 20 mppcf 8 hours. Form: not
	containing asbestos
magnesium carbonate	<b>OSHA PEL (United States, 2/2013).</b>
	TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable
	fraction
	TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust
Kaolin	<b>ACGIH TLV (United States, 4/2014).</b>
	TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable
	fraction
	<b>OSHA PEL (United States, 2/2013).</b>
	TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable
	fraction
	TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust
carbon black, respirable powder	<b>ACGIH TLV (United States, 4/2014).</b>
	TWA: 3 mg/m <sup>3</sup> 8 hours. Form: Inhalable
	fraction
	<b>OSHA PEL (United States, 2/2013).</b>
	TWA: 3.5 mg/m <sup>3</sup> 8 hours.

#### Key to abbreviations

A = Acceptable Maximum Peak  
 ACGIH = American Conference of Governmental Industrial Hygienists.  
 C = Ceiling Limit  
 F = Fume  
 IPEL = Internal Permissible Exposure Limit  
 OSHA = Occupational Safety and Health Administration.  
 R = Respirable

S = Potential skin absorption  
 SR = Respiratory sensitization  
 SS = Skin sensitization  
 STEL = Short term Exposure limit values  
 TD = Total dust  
 TLV = Threshold Limit Value  
 TWA = Time Weighted Average

**Section 8. Exposure controls/personal protection**

Z = OSHA 29CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

**Consult local authorities for acceptable exposure limits.**

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Individual protection measures**

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety glasses with side shields.

**Skin protection**

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Gloves** : butyl rubber

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.



**Section 9. Physical and chemical properties****Appearance**

Physical state	: Liquid.
Color	: Black.
Odor	: Not available.
Odor threshold	: Not available.
pH	: Not available.
Melting point	: Not available.
Boiling point	: 100 to 166.11°C (212 to 331°F)
Flash point	: Closed cup: Not applicable.
Material supports combustion.	: Yes.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Evaporation rate	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 1.35
Density ( lbs / gal )	: 11.27
Solubility	: Insoluble in the following materials: cold water.
Partition coefficient: n-octanol/water	: Not available.
Viscosity	: Kinematic (40°C (104°F)): >0.21 cm <sup>2</sup> /s (>21 cSt)
VOC	: 0
% Solid. (w/w)	: 100

**Section 10. Stability and reactivity**

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

**Section 10. Stability and reactivity**

**Hazardous decomposition products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

**Section 11. Toxicological information****Information on toxicological effects****Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
N,N-dimethylacetamide	LC50 Inhalation Gas.	Rat	2475 ppm	1 hours
	LD50 Dermal	Rabbit	2240 mg/kg	-
	LD50 Oral	Rat	4300 mg/kg	-
magnesium carbonate	LD50 Oral	Rat	8000 mg/kg	-
Kaolin	LD50 Oral	Rat	>5000 mg/kg	-
carbon black, respirable powder	LD50 Dermal	Rabbit	>3 g/kg	-
	LD50 Oral	Rat	>15400 mg/kg	-

**Conclusion/Summary** : There are no data available on the mixture itself.

**Irritation/Corrosion****Conclusion/Summary**

**Skin** : There are no data available on the mixture itself.

**Eyes** : There are no data available on the mixture itself.

**Respiratory** : There are no data available on the mixture itself.

**Sensitization****Conclusion/Summary**

**Skin** : There are no data available on the mixture itself.

**Respiratory** : There are no data available on the mixture itself.

**Mutagenicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

**Carcinogenicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

**Classification**

Product/ingredient name	OSHA	IARC	NTP
calcium dichromate	+	1	Known to be a human carcinogen.
carbon black, respirable powder	-	2B	-

**Carcinogen Classification code:**

IARC: 1, 2A, 2B, 3, 4

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen

OSHA: +

Not listed/not regulated: -

**Reproductive toxicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

**Teratogenicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

**Section 11. Toxicological information****Specific target organ toxicity (single exposure)**

Name	Category
Talc , not containing asbestiform fibres	Category 3

**Specific target organ toxicity (repeated exposure)**

Name	Category
calcium dichromate	Category 2

**Target organs**

: Contains material which causes damage to the following organs: kidneys, brain, eyes.  
Contains material which may cause damage to the following organs: blood, lungs, the reproductive system, liver, cardiovascular system, upper respiratory tract, skin, central nervous system (CNS), stomach.

**Aspiration hazard**

Not available.

**Information on the likely routes of exposure****Potential acute health effects**

- Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : Harmful if inhaled.  
**Skin contact** : May cause an allergic skin reaction.  
**Ingestion** : No known significant effects or critical hazards.

**Over-exposure signs/symptoms**

- Eye contact** : No specific data.  
**Inhalation** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations  
**Skin contact** : Adverse symptoms may include the following:  
irritation  
redness  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations  
**Ingestion** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

**Delayed and immediate effects and also chronic effects from short and long term exposure**

- Conclusion/Summary** : There are no data available on the mixture itself. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause

**Section 11. Toxicological information**

irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

**Short term exposure**

**Potential immediate effects** : There are no data available on the mixture itself.

**Potential delayed effects** : There are no data available on the mixture itself.

**Long term exposure**

**Potential immediate effects** : There are no data available on the mixture itself.

**Potential delayed effects** : There are no data available on the mixture itself.

**Potential chronic health effects**

**General** : May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Carcinogenicity** : May cause cancer. Risk of cancer depends on duration and level of exposure.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : May damage the unborn child.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

**Numerical measures of toxicity****Acute toxicity estimates**

Route	ATE value
Oral	9232.5 mg/kg
Dermal	2361.8 mg/kg
Inhalation (gases)	2657 ppm
Inhalation (vapors)	23.62 mg/l
Inhalation (dusts and mists)	3.221 mg/l

**Section 12. Ecological information****Toxicity**

Not available.

**Persistence and degradability**

Not available.

**Bioaccumulative potential**

Product/Ingredient name	LogP <sub>ow</sub>	BCF	Potential
N,N-dimethylacetamide	-0.77	-	low

**Mobility in soil**

Product code **PR 1425 B 2 Part A**Date of issue **22 July 2015**Version **8**Product name **PR 1425 B 2 Part A**

## Section 12. Ecological information

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: **HANDLING AND STORAGE** and Section 8: **EXPOSURE CONTROLS/PERSONAL PROTECTION** for additional handling information and protection of employees. Section 6. **Accidental release measures**

## 14. Transport information

	DOT	IMDG	IATA
UN number	Not regulated.	UN3082	UN3082
UN proper shipping name	-	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (calcium dichromate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (calcium dichromate)
Transport hazard class (es)	-	9	9
Packing group	-	III	III
Environmental hazards	No.	Yes.	Yes.
Marine pollutant substances	Not applicable.	(calcium dichromate)	Not applicable.

### Additional information

**DOT** : None identified.

**IMDG** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

**IATA** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

Product code **PR 1425 B 2 Part A**Date of issue **22 July 2015**Version **8**Product name **PR 1425 B 2 Part A**

## 14. Transport information

**Special precautions for user** : **Transport within user's premises**: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## Section 15. Regulatory information

### United States

**United States inventory (TSCA 8b)** : All components are listed or exempted.

### SARA 302/304

**SARA 304 RQ** : Not applicable.

### Composition/information on ingredients

No products were found.

### SARA 311/312

**Classification** : Immediate (acute) health hazard  
Delayed (chronic) health hazard

### Composition/information on ingredients

Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
N,N-dimethylacetamide	Yes.	No.	No.	Yes.	Yes.
calcium dichromate	No.	No.	No.	Yes.	Yes.
Talc, not containing asbestiform fibres	No.	No.	No.	Yes.	No.
carbon black, respirable powder	Yes.	No.	No.	No.	Yes.

### SARA 313

	<u>Chemical name</u>	<u>CAS number</u>	<u>Concentration</u>
<b>Supplier notification</b>	: calcium dichromate	14307-33-6	10 - 30

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

**Additional environmental information** is contained on the **Environmental Data Sheet** for this product, which can be obtained from your **PPG representative**.

### California Prop. 65

**WARNING**: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

## Section 16. Other information

### **Hazardous Material Information System (U.S.A.)**

**Health** : 3 \* **Flammability** : 0 **Physical hazards** : 0

(\*) - Chronic effects

**Caution**: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6988.

Product code **PR 1425 B 2 Part A**

Date of issue **22 July 2015**

Version **8**

Product name **PR 1425 B 2 Part A**

## Section 16. Other information

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Health : 3      Flammability : 0      Instability : 0

Date of previous issue : 6/11/2015

Organization that prepared the MSDS : EHS

Key to abbreviations : ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ('Marpol' = marine pollution)  
UN = United Nations

☑ Indicates information that has changed from previously issued version.

### Disclaimer

*The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.*

# SAFETY DATA SHEET



Date of issue/Date of revision 9 June 2015

Version 4

## Section 1. Identification

Product name : PR 1425 B 2 Part B  
Product code : PR 1425 B 2 Part B  
Other means of Identification : Not available.  
Product type : Solid.

### Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial applications.  
Use of the substance/ mixture : Sealants  
Uses advised against : Not applicable.

Supplier : PPG Aerospace PRC-DeSoto  
12780 San Fernando Road  
Sylmar, CA 91342  
Phone: 818 362 6711

Emergency telephone number : (412) 434-4515 (U.S.)  
(514) 645-1320 (Canada)  
01-800-00-21-400 (Mexico)

## Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : SKIN SENSITIZATION - Category 1  
CARCINOGENICITY - Category 2  
Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 11.7%

### GHS label elements

Hazard pictograms



Signal word : Warning

Hazard statements : May cause an allergic skin reaction.  
Suspected of causing cancer.



## Section 2. Hazards identification

### Precautionary statements

- Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves. Avoid breathing dust. Contaminated work clothing should not be allowed out of the workplace.
- Response** : IF exposed or concerned: Get medical attention. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention.
- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** : **1-component mixtures:** formaldehyde is released during curing. Formaldehyde may cause irreversible effects, is irritating to the mucous membranes and may cause skin sensitization. Emits toxic fumes when heated.
- Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Product name** : PR 1425 B 2 Part B

Ingredient name	%	CAS number
Calcium carbonate	3 - 7	471-34-1
carbon black, respirable powder	3 - 7	1333-86-4
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]	1 - 5	25036-25-3
Terphenyl, hydrogenated	1 - 5	61788-32-7

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

### Description of necessary first aid measures

- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

## Section 4. First aid measures

- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

#### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

- Specific hazards arising from the chemical** : This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
halogenated compounds  
metal oxide/oxides

## Section 5. Fire-fighting measures

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

## Section 7. Handling and storage

- Special precautions** : If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
calcium carbonate	<b>ACGIH TLV (United States).</b> TWA: 3 mg/m <sup>3</sup> Form: Respirable TWA: 10 mg/m <sup>3</sup> Form: Total dust <b>OSHA PEL (United States).</b> TWA: 5 mg/m <sup>3</sup> Form: Respirable TWA: 15 mg/m <sup>3</sup>
carbon black, respirable powder	<b>OSHA PEL (United States, 2/2013).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust <b>ACGIH TLV (United States, 4/2014).</b> TWA: 3 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction <b>OSHA PEL (United States, 2/2013).</b> TWA: 3.5 mg/m <sup>3</sup> 8 hours.
Terphenyl, hydrogenated	<b>ACGIH TLV (United States, 4/2014).</b> TWA: 4.9 mg/m <sup>3</sup> 8 hours. TWA: 0.5 ppm 8 hours.

#### Key to abbreviations

- A = Acceptable Maximum Peak  
 ACGIH = American Conference of Governmental Industrial Hygienists.  
 C = Ceiling Limit  
 F = Fume  
 IPEL = Internal Permissible Exposure Limit  
 OSHA = Occupational Safety and Health Administration.  
 R = Respirable  
 Z = OSHA 29CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

- S = Potential skin absorption  
 SR = Respiratory sensitization  
 SS = Skin sensitization  
 STEL = Short term Exposure limit values  
 TD = Total dust  
 TLV = Threshold Limit Value  
 TWA = Time Weighted Average

Consult local authorities for acceptable exposure limits.

**Section 8. Exposure controls/personal protection**

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Individual protection measures**

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety glasses with side shields.

**Skin protection**

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Gloves** : Butyl rubber

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

## Section 9. Physical and chemical properties

### Appearance

Physical state	: Solid.
Color	: Black.
Odor	: Not available.
Odor threshold	: Not available.
pH	: Not available.
Melting point	: Not available.
Boiling point	: Not available.
Flash point	: Closed cup: 93.33°C (200°F)
Material supports combustion.	: Yes.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Evaporation rate	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 1.34
Density ( lbs / gal )	: 11.18
Solubility	: Insoluble in the following materials: cold water.
Partition coefficient: n-octanol/water	: Not available.
Viscosity	: Kinematic (40°C (104°F)): Not applicable.
VOC	: 40 g/l

## Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

## Section 10. Stability and reactivity

**Hazardous decomposition products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/Ingredient name	Result	Species	Dose	Exposure
calcium carbonate	LD50 Oral	Rat	6450 mg/kg	-
carbon black, respirable powder	LD50 Dermal	Rabbit	>3 g/kg	-
Terphenyl, hydrogenated	LD50 Oral	Rat	>15400 mg/kg	-
	LD50 Oral	Rat	17500 mg/kg	-

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Irritation/Corrosion

##### Conclusion/Summary

**Skin** : There are no data available on the mixture itself.

**Eyes** : There are no data available on the mixture itself.

**Respiratory** : There are no data available on the mixture itself.

#### Sensitization

##### Conclusion/Summary

**Skin** : There are no data available on the mixture itself.

**Respiratory** : There are no data available on the mixture itself.

#### Mutagenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Carcinogenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Classification

Product/Ingredient name	OSHA	IARC	NTP
carbon black, respirable powder	-	2B	-

#### Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen

OSHA: +

Not listed/not regulated: -

#### Reproductive toxicity

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Teratogenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

## Section 11. Toxicological information

Not available.

**Target organs** : ☒ Contains material which may cause damage to the following organs: kidneys, lungs, liver, spleen, lymphatic system, upper respiratory tract, skin, eyes, bone marrow.

### Aspiration hazard

Not available.

### Information on the likely routes of exposure

#### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : ☒ May cause an allergic skin reaction.  
**Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

**Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** : ☒ Adverse symptoms may include the following:  
irritation  
redness  
**Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

**Conclusion/Summary** : There are no data available on the mixture itself. **1-component mixtures:** formaldehyde is released during curing. Formaldehyde may cause irreversible effects, is irritating to the mucous membranes and may cause skin sensitization. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

#### Short term exposure

**Potential immediate effects** : There are no data available on the mixture itself.  
**Potential delayed effects** : There are no data available on the mixture itself.

#### Long term exposure

**Potential immediate effects** : There are no data available on the mixture itself.  
**Potential delayed effects** : There are no data available on the mixture itself.

#### Potential chronic health effects

**General** : ☒ Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.  
**Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

#### Numerical measures of toxicity



## Section 11. Toxicological information

### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### Toxicity

Not available.

### Persistence and degradability

Not available.

### Bioaccumulative potential

Not available.

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

## 14. Transport information

**14. Transport information**

	DOT	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class (es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

**Additional Information**

DOT : None identified.

IMDG : None identified.

IATA : None identified.

**Special precautions for user :** **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Section 15. Regulatory information**

**United States inventory (TSCA 8b) :** ☒ All components are listed or exempted.

**Australia inventory (AICS) :** ☒ All components are listed or exempted.

**Canada inventory (DSL) :** ☒ All components are listed or exempted.

**China inventory (IECSC) :** ☒ All components are listed or exempted.

**Europe inventory (REACH) :** Please contact your supplier for information on the inventory status of this material.

**Japan inventory (ENCS) :** At least one component is not listed.

**Korea inventory (KECI) :** ☒ All components are listed or exempted.

**New Zealand (NZIoC) :** ☒ All components are listed or exempted.

**Philippines inventory (PICCS) :** ☒ All components are listed or exempted.

**United States****SARA 302/304**

SARA 304 RQ : Not applicable.

**Composition/Information on Ingredients**

No products were found.

**SARA 311/312**Classification : ☒ Immediate (acute) health hazard  
Delayed (chronic) health hazard**Composition/information on ingredients**

Product code **PR 1425 B 2 Part B**Date of issue **9 June 2015**Version **4**Product name **PR 1425 B 2 Part B****Section 15. Regulatory information**

Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Carbon black, respirable powder Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[[1-methylethylidene]bis(4,1-phenyleneoxymethylene)]bis[oxirane]	Yes. Yes.	No. No.	No. No.	No. Yes.	Yes. No.

**Additional environmental information** is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

**California Prop. 65**

**WARNING:** This product contains a chemical known to the State of California to cause cancer.

**Section 16. Other information****Hazardous Material Information System (U.S.A.)**

Health : ☒2 \* Flammability : 1 Physical hazards : 0

(\*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

**National Fire Protection Association (U.S.A.)**

Health : ☒2 Flammability : 1 Instability : 0

Date of previous Issue : 5/7/2015.

Organization that prepared the MSDS : EHS

Key to abbreviations : ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

☒ Indicates information that has changed from previously issued version.

**Disclaimer**

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.

# Certificate of Conformance Pick Ticket

Page: 1 of 1

PRC-DeSoto International, Inc.  
A PPG Industries Company

PRC DESOTO INTL-ASC DALLAS  
2750 114th Street, Suite 400  
Grand Prairie, TX 75050  
UNITED STATES  
Phone: 817-640-1067  
Fax: 817-640-1058

Order Date: 06/07/16

Cust. No.: DA090713

Terms: net30

Cust. P.O.: 45449039



Site: 3723US

Pack List #: S1244503



CSR: DA503

Transaction Type:

Shipment Terms:

DS-PO#:

Shipvia: SEE BELOW

Ship To: 00030970

08/22/16  
13:20:03

Remarks: SPEC-AVIALL/ROJEAN 972-586-1314 / SB KL

Sold To: DA090713  
AVIALL SERVICES, INC.  
P.O. BOX 619048  
DALLAS, TX 75261-9048  
UNITED STATES

AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT, TX 75261  
UNITED STATES

Line	Qty Ordered	UM	Description	Req Date	Due Date	Promise Date	Qty to Ship	Qty Picked
------	-------------	----	-------------	----------	----------	--------------	-------------	------------

NEVER ADD FRT TO INVOICE, MUST SHIP COLLECT  
FEDEX GROUND COLLECT ACCT #123985630  
IF 150 LBS OR MORE FEDEX FREIGHT COLLECT (ACCT# 532626056)  
DO NOT SHIP PARTIAL LINES! \*\*\* MSDS REQUIRED WITH EACH SHIPMENT \*\*\*  
MUST HAVE 75% SHELF LIFE.  
EDGE PROTECTORS REQUIRED  
PRICE IS SUBJECT TO CHANGE

1	312	EA	1425B002CA654SKAV	08/22/16	08/22/16	08/22/16		
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PRC STANDARD  
PR 1425 B 2 654SK  
SPEC: PRC STD 13 REV NOT CONTROLLED  
Customer Item: PR 1425B2-6OZ=5N  
Lot No: 918743-08  
\*Location: STOCK  
Expires After: 5/17  
Lot No: 936808-08  
\*Location: STOCK  
Expires After: 5/17  
In compliance with the chemical registration laws of UNITED STATES

250

(250)

62

(62)

014127

DOM OR DOP: 08/16  
EXP DATE: 05/17  
SHELF LIFE: 9 MONTHS

DOM OR DOP: 08/16  
EXP DATE: 05/17  
SHELF LIFE: 9 MONTHS

ITEM PR1425B2-6OZ=5N



BATCH 7364342177



GRIVAS  
08/24/16

Shipped by

*[Signature]* Date: 22 AUG 16

PPG Aerospace/PRC DeSoto International certifies that the above material has been manufactured, tested and conforms to all requirements in accordance with applicable specifications. All test data pertaining to batch acceptance requirements defined by the specification for this material is on file and available for inspection on request. For Non-US PPG Customers, we can only offer Technical Data/Test Reports for any ITAR restricted specifications with valid US export authorization.

Quality  
Control



WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTIONS 6, 7, AND 12 OF THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED, AND OF REGULATIONS AND ORDERS OF THE ADMINISTRATOR OF THE WAGE AND HOUR DIVISION ISSUED UNDER SECTION 14 THEREOF. IMPORTED ITEMS, IF RESOLD OR REPACKED MUST CONFORM TO THE REQUIREMENTS OF 19 U.S.C. 1304 AND 19 CFR PART 134. ALL CLAIMS MUST BE MADE WITHIN TEN (10) DAYS. PACKING LIST MUST ACCOMPANY CLAIM. MERCHANDISE NOT SUBJECT TO RETURN WITHOUT OUR PERMISSION.

MATERIAL CONTAINED IN THIS SHIPMENT WAS INSPECTED IN ACCORDANCE WITH APPLICABLE DRAWINGS AND SPECIFICATIONS. BILD INDUSTRIES DISCLAIMS ANY RESPONSIBILITY FOR MANUFACTURING OR FUNCTIONAL DEFECTS, AND HEREBY LIMITS EXPRESS OR IMPLIED WARRANTIES TO LIABILITY FOR THE COST OF REPLACING OR REFUNDING THIS MATERIAL. BUYER IN ACCEPTING DELIVERY OF THIS MATERIAL ACKNOWLEDGES AWARENESS OF SUCH LIMITATIONS.

**MAC FASTENERS, INC.**  
**1110 ENTERPRISE**  
**OTTAWA, KANSAS 66067**

**CERTIFICATE OF CONFORMANCE  
AND  
MANUFACTURER'S AFFIDAVIT**

CUSTOMER: BILD INDUSTRIES

PO: 88043

PART NUMBER: AN3-11A

REV: 3

LOT NUMBER: 79698

MANUFACTURED QUANTITY: 23,500

MILL HEAT NUMBER: 8195830

COUNTRY OF ORIGIN: UNITED STATES OF AMERICA

DFARS 252.225.7009 Compliant

**MERCURY FREE CERTIFICATION**

MacFasteners certifies that the parts referenced in the above lot number do not contain Mercury or Mercury compounds, and were manufactured in a Mercury free environment.

We certify that the parts furnished against the above referenced purchase order were manufactured by MAC FASTENERS within the United States, and were processed in accordance with all applicable drawings and specifications. Objective evidence of compliance is on file, subject to examination upon request.

Mac Fasteners is a DISC QSLM approved Manufacturer - CAGE Code 0RFT4

Mac Fasteners is an Airbus approved Supplier - 203399

DATE: 05/29/15

  
QUALITY ASSURANCE REPRESENTATIVE



**AERO-GLEN**  
INTERNATIONAL LLC  
COMMITMENT | EXECUTION | RESULTS

1160 MUSTANG DR. SUITE 300  
DFW AIRPORT, TX 75261  
TEL: (817) 328-6600 FAX (972) 456-1015  
WWW.AEROGLEN.COM  
CAGE CODE 9V172  
ISO9001 / AS9100 / AS9120 REGISTERED  
PRI CERTIFICATION: 14-2127, 14-2128R

## PACKING SLIP

Print Date : Nov-18-2015 4:55 PM

Printed By: JFLE Print No. : 2

**No. 078974**

Pg:1/1

<b>Ship To : [1]</b>		<b>For : Account No. [AVIALL-DALLA]</b>	
AVIALL CENTRAL WAREHOUSE Attn: RECEIVING DEPT. 2750 REGENT BOULEVARD DFW Airport, TX 75261 UNITED STATES Tel. : 972-586-1994		AVIALL Attn: SEDRICK CLARK 2700 Regent Blvd DFW Airport, TX 75261 UNITED STATES Tel. : 972-586-1994	
S.O. No. : 056774	Our Ref :	Domestic AW :	
Cust P.O. : 0045331589	Your Ref :	Int'l AWB :	
Picked On : Nov-10-2015	Spec Inst :	Origin :	
Shipped On : Nov-18-2015	Contract :	Transpor :	
Ship Via : DROP OFF	Lic No. :	Nationali :	
F.O.B. : DESTINATION	Expires :	Trip/Flig :	
Terms : NET 30			
Our Contact : MERLE LANGTON			

Line	P/N & Description	Cn	Ordered	Qty Shipped	Back Order	Packaging
1	AN4-7A  UID:138752  Rev: 2 Note: BOLT: HEX HD,ST PG:100 PER LOT #: 22679 REV: 2 MFG: AIRFASCO	DFN	12,000.00	12,000.00 EA	0.00	
UNLESS NOTED ON THE FACE HEREOF, ANY AND ALL MATERIALS/PARTS SUPPLIED ON THIS S.O./P.O. MAY NOT BE DFARS 252.22-7014 ALT. 1 COMPLIANT. AERO-GLEN, INTL., GRAPEVINE, TX., USA, WILL NOT BE HELD IN VIOLATION OF THE DFARS/SPECIALTY MATERIAL REQUIREMENT. THE COMMODITIES SOLD BY AERO-GLEN, INTL., MUST BE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH ALL U.S. EXPORT LAWS. ANY DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED.						

ITEM AN4-7A=28



BATCH 7364127469



BHORTON  
11/23/15

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INTERNATIONAL LLC  
COMMITMENT | EXECUTION | RESULTS

1160 MUSTANG DR. SUITE 300  
DFW AIRPORT, TX 75261  
TEL: (817) 328-6600 FAX (972) 456-1015  
WWW.AEROGLEN.COM  
CAGE CODE 9V172  
ISO9001 / AS9100 / AS9120 REGISTERED  
PRI CERTIFICATION: 14-2127, 14-2128R

## CERTIFICATE OF CONFORMANCE

Print Date : Nov-18-2015 4:55 PM

Printed By : JFLE Print No. : 3

**No. : 078974**

Pg:1/1

**Sold To : Account No. [AVIALL-DALLA]**

AVIALL  
Attn: Email Invoice to apinvoices@aviall.com, ACCOUNTS PAYABLE  
2700 Regent Blvd  
DFW Airport, TX 75261  
UNITED STATES  
Tel. : 972-586-1426

**Shipped To :**

AVIALL CENTRAL WAREHOUSE  
AIR RECEIVING DEPT.  
2750 REGENT BOULEVARD  
DFW Airport, TX 75261  
UNITED STATES  
Tel. : 972-586-1994

S.O. No. : 056774

Our Ref :

Domestic AW :

Customer P. : 0045331589

Your Ref :

Int'l AWB:

Issued Date : Nov-10-2015

Spec Inst :

Origin :

Contract :

Transpor:

Ship Via : DROP OFF

License No. :

Nationali:

F.O.B. : DESTINATION

Expires :

Trip/Flig :

Shipped Dat : Nov-18-201

Terms : NET 30

Our Contact : MERLE LANGTON

Line	P/N & Description	Cnd	Qty Ordered	Shipped	Unit Sell Price	Amount
1	AN4-7A  Pick Ticket / Packing Slip No. : 078974 Rev: 2 Note: BOLT: HEX HD,ST PG:100 PER LOT #: 22679 REV: 2 MFG: AIRFASCO	DFN	12,000.00EA	12,000.00 (Qty. Back 0.00)		

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TYSON KAMM

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ORIGINAL (COPY.)



**AIRFASCO**  
**INDUSTRIES**  
MANUFACTURER OF AEROSPACE PRODUCTS

2655 HARRISON AVE. SW  
CANTON, OH 44706  
PHONE: (330)430-6190  
FAX: (330)430-6199

**CERTIFICATE OF CONFORMANCE**

**AERO-GLEN**

I hereby certify that on 10/10/12 Airfasco Industries provided the supplies called for by Contract/ PO Number **023502** in accordance with all applicable requirements for shipment. I further state that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States.

  
WM. DENT

Quality Assurance Representative

PART NUMBER	LOT NUMBER	QUANTITY	PART NUMBER	LOT NUMBER	QUANTITY
AN4-7A	22679	75250			

CIF3-0


1

AVIALL SERVICES, INC.  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261

TX 752619048

SI007 1 **PACKING SLIP**  
**INSPECT IMMEDIATELY**

TEM AN4-14A=28



BATCH 7364354105

AHILL  
09/08/16

CAGE CODE 31222

QUALITY CONTROL MANAGER

DATE SHIPPED

SHIPPED VIA

SIGNATURE: \_\_\_\_\_ MERCHANDISE RECEIVED \_\_\_\_\_

TOTAL WT

NO CTNS

P = PARTIAL  
C = COMPLETE  
CC = CONSIDER COMPLETE  
CX = CANCEL

**ETA Global Inc.**P.O. BOX 259  
PALESTINE, TX 75802-0259

PH: (903)729-3131

Quality FAX: (903)729-1217

www.etaglobal.com

**Packing Slip**

349755-000

Page 1 of 1

Ship Date:

ISO9001:2008  
AS9100 Rev C  
Certificate NO. C0023281

Sold to: 8418

Ship to:

AVIALL SERVICES (CONTRACT)  
ATTN: ACCOUNTS PAYABLE  
PO BOX 619048  
DALLAS, TX 75261  
UNITED STATESAVIALL SERVICES (CONTRACT)  
2750 REGENT BLVD  
DFW AIRPORT, TX 75261  
UNITED STATES

Customer P.O.		Department	Message	
45460236		500	FEDEX 0752-6857-2	
Payment terms		Salesper: 2	B P	Ship via
1*10NET30		#####	Y Y	Fed X grnd
Freight terms		COLLECT		
Ln	Ship	Quantity	UOM	Item / Description

0020 8000 EACH NAS1149D06630  
WASHER, FLAT  
ALUMINUMControl #: 49631700-01-01 8000  
Mfg Lot #: 7611-5/13/15  
MFG: MOELLER MFG & SUPPLY INC  
Country of origin: UNITED STATES

ITEM NAS1149D0663J=28



BATCH 7364298958

APHONGSAVAN  
07/01/16

ETA certifies the products furnished on the above referenced order have been manufactured in accordance with all applicable part numbers, specifications, and descriptions. This statement is supported by a Certificate of Conformance and/or Chemical/Physical report of raw material on file at ETA or place of manufacture/supply subject to examination with proper notice (additional costs may be incurred.)

Quality Control Authority

*Angela Coleman* **ETA**

Date: 06/ 27/ 16

#16

IMPORTANT NOTICE: LIMITATION OF REMEDIES: If this product is proved to be defective, the exclusive remedy available and ETA's only obligation shall be to replace such quantity of this product which is proved to be defective or to refund the purchase price paid for this product. ALL CLAIMS FOR DEFECTIVE MATERIAL ARE WAIVED UNLESS MADE IN WRITING WITHIN 30 DAYS FROM THE DATE OF SHIPMENT.

LIMITATION OF WARRANTIES: ETA shall not be liable for any damages, including incidental and/or consequential damages, regardless of the legal theory asserted, including negligence and/or strict liability.

Before using, user shall determine the suitability of the product for intended use. User assumes all risks and liability whatsoever in connection therewith. CHECK CAREFULLY. Reference must be made to our delivery receipt register number when making claims or requests for adjustment. ALL RETURNS SUBJECT TO APPROVAL OF SELLER TO RETURN.

The foregoing limitations of remedies and warranties may not be altered unless in writing signed by the President of ETA GLOBAL INC.

Distribution/Manufacturing software provided by Rennie, Lindsey and Associates, Inc.

06-27-16 11:30 AM

Mention promo code 004189 at [www.eta-assist.com/promo.html](http://www.eta-assist.com/promo.html)

**MOELLER MFG. & SUPPLY, INC.**

805 EAST CERRITOS • ANAHEIM, CA 92805

(714) 999-5551 • FAX (714) 999-5970

<http://www.moellermfg.com>

cage code: 58009

SHIPPER NO. : 83621

**CERTIFICATION  
PACKING LIST**S  
O  
L  
D  
T  
O  
ETA GLOBAL, INC.

PO BOX 259

PALESTINE

TX 75802-0259

Customer #: ETA


S  
H  
I  
P  
T  
O  
ETA GLOBAL, INC.

5500 W. OAK STREET

PALESTINE

TX 75802

P.O. #: 496317

DATE ORDER REC'D	ORDER NO	COMMENTS		SHIPPED VIA	TERMS	DUE
12/29/2015	496317			UPS COLLEC	1%-10/N-30	1/4/2016
ITEM	ORDERED	SCHEDULED	SHIPPED	PART NUMBER/DESCRIPTION		NET WT.
001	25,000	25,000	25000 SG	NAS1149D0663J REV. 6 AN960JD616 REV. 21 LOT 76115 1/13/15  FULL CERTS 1,2,33,34,35,38,40   1910467575 ETA CTL#:49631700-01-01		782 (S) 25,000 29.71


RECEIVED JAN 07 2016

MANUFACTURED IN THE U.S.A.

MOELLER MFG. &amp; SUPPLY, INC. - PACKING LIST &amp; CERTIFICATION

WE CERTIFY THAT THE MATERIAL ON THIS ORDER CONFORMS IN ALL RESPECTS TO THE CURRENT APPLICABLE GOVERNMENT AND/OR MANUFACTURER'S SPECIFICATIONS.

1. ALL ITEMS ABOVE ARE MANUFACTURED IN ACCORDANCE WITH THE MATERIAL AND PROCESSING SPECIFICATIONS OF THIS ORDER. WE ALSO CERTIFY THAT THESE PARTS HAVE NOT COME IN CONTACT WITH MERCURY WHILE IN OUR POSSESSION.
2. THE GOODS COVERED BY THIS INVOICE WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF THE FAIR LABOR STANDARD ACTS OF 1938, AS AMENDED. ALL CLAIMS FOR ERRORS OR SHORTAGES MUST BE MADE WITHIN 10 DAYS AFTER RECEIPT OF GOODS. NO GOODS TO BE RETURNED WITHOUT WRITTEN AUTHORIZATION. ALL CLAIMS FOR DEFECTIVE MATERIAL MUST BE FILED WITHIN 30 DAYS OF SHIPMENT TO RECEIVE CONSIDERATION. WE DO NOT ASSUME FINANCIAL RESPONSIBILITY FOR LIABILITY FROM THE USE OF PRODUCTS SOLD, OTHER THAN REPLACEMENT VALUE OF THE PRODUCTS SOLD, IF CLAIMED WITHIN THE SPECIFIED TIME LIMIT ABOVE.
3. PARTS ARE TO BE CONSIDERED HAZ EXEMPT OR DUAL PURPOSE UNLESS OTHERWISE STATED.

BY 	
MICHAEL CLANACHAN, QUALITY MANAGER	
RECEIVED IN GOOD CONDITION BY DATE	01 / 4 / 16
PACKED BY	SG
BAGS	
CARTONS	
GROSS WT.	31

MOELLER MANUFACTURING &amp; SUPPLY, INC. • 805 EAST CERRITOS • ANAHEIM, CA 92805 • U.S.A.



2655 Harrison Ave SW  
Canton, OH 44706  
Ph: 330-430-6190, Fax: 330-430-6199,

## Packing Slip Original

Invoice #: 146405

Invoice Date: 8/30/2016

Time: 12:02:16 PM

Page: 1

### To:

AVIALLAEROSPACE TEXAS  
PO BOX 619048  
DFW AIRPORT  
DALLAS, TX 75261-0000  
USA  
ATTN: REJOE JACOB  
Ph: 972-586-1903 Fax: 972-586-7995

### Ship To:

AVIALLAEROSPACE TEXAS  
2750 REGENT BLVD.  
DFW AIRPORT  
DALLAS, TX 75261-0000

Cust. PO#: 45502812

Terms: NET 30

Ship Via: FED EX MOTOR FRESHip Via Acc:

Order Date: 8/22/2016

# of Items: 1

# of Boxes: 14

Weight: 245

Prepared By:

Sales Order: 120339

Ship Log #: 1

Ship Order:

Customer #: 15195

VAT #:

Cust VAT #:

Ship Date: 8/30/2016

Buyer: REJOE JACOB

FOB:

AWB:

Shipment:

WO #:

Item	Part Number/Description	Shipped	BackOrd	CD	List Price	Disc	Unit Price	UOM	Total Amt
1	AN3-35A BOLT, AN Loc/Whse: 2A7 2C7 ECK PLATING Control #: 130147-1 L-12895 10 PER PACK	500	0	NE				EA	

ITEM AN3-35A=28



BATCH 7364352119



NANUARIO  
09/07/16

C OF C ENCLOSED  
14 BOXES 245 LBS  
INV# 146401/146402/146403/146404/146405 ARE SHIPPING TOGETHER  
PARTS MANUFACTURED IN USA  
THANK YOU!

Special Instructions:

Authorized Signature:



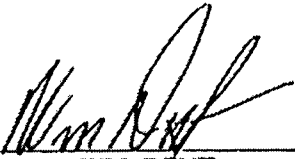
2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199

**CERTIFICATE OF CONFORMANCE**

**AVIALL AEROSPACE**

I hereby certify that on 08/30/16 Airfasco Industries provided the supplies called for by Contract/ PO Number **45502812** in accordance with all applicable requirements for shipment. I further state/ that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States.

Quality Assurance Representative

  
WM. DENT

PART NUMBER	LOT NUMBER	QUANTITY	PART NUMBER	LOT NUMBER	QUANTITY
AN3-35A	12895	500			

07/19/12

## CUSTOMS INVOICE/PACKING SHEET



3333865 00

Cust#: 30925

SOLD TO: AVIALL DISTRIBUTION GROUP  
ATTENTION A/P DEPARTMENT  
P.O. BOX 619048

DALLAS, TX 75261-9048 US

VAT#

SHIPPER: KAPCO  
1 ESSEX INDUSTRIAL PARK  
ESSEX, CT 06426SHIP TO: AVIALL DISTRIBUTION GROUP  
2750 REGENT BOULEVARD  
DFW AIRPORT

DFW AIRPORT, TX 75261

Pref. Routing FED EX GRD

UPC VENDOR	INVOICE NO.	ON DOCK
000000	3333865-00	08/01/12
PROMISED	REQUEST	SHIPPED
07/19/12	07/19/12	
CUSTOMER P.O.		

FORWARD TO:

P.O. NUMBER	ITEM NO.	PART NUMBER	ICN No.	QTY	UOM	UNIT PRICE	TOTAL VALUE	COUNTRY OF ORIGIN	QUANTITY ORDERED	QUANTITY B.O.	QUANTITY SHIPPED
1888274	1	NAS1611-005A		210.00	EA				210.00	0.00	210.00
		Desc: PACKING "11" PCAT: S									
			282327-01	81.00		Cure: 3Q2011		US			
		MFR- Name: INTERNATIONAL SEAL - FNGP Revision: 11 MFR- Batch: KGCE18									
			274869	129.00		Cure: 4Q2011		US			
		MFR- Name: INTERNATIONAL SEAL - FNGP Revision: 11 MFR- Batch: KJAE18									
		KAPCO CERTIFIES THAT WE ARE ACCREDITED BY THE AVIATION SUPPLIERS ASSOCIATION (ASA) PER FAA AC-0056A. THE ITEM(S) IDENTIFIED HEREIN CONFORM TO AN ESTABLISHED INDUSTRY, U.S. GOVERNMENT, OR COMMERCIAL STANDARD. S/L: UNLTD ARP5316 INSP BY: Mark A. Avery 07/19/2012									

TOTAL BOX VALUE:

The merchandise listed has been produced in accordance with Fair Labor Standards Act of 1938 as amended. No claims allowed unless made within ten (10) days after receipts of Goods and in no case shall the liability assumed by us under the guarantees either expressed or implied, exceed the face value of the invoice for the merchandise in question.

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. Law is prohibited.

SHIPPED UNDER NLR HS#8803.30.0010 - ECCN: 9A991.D

FOR CUSTOMS PURPOSES ONLY. DO NOT PAY FROM THIS DOCUMENT.

## CERTIFICATE OF CONFORMANCE

WE HEREBY CERTIFY THAT THE PRODUCT SUPPLIED IS NEWLY MANUFACTURED, CONFORMS TO THE APPROVED DESIGN DATA, AND MEETS ALL REQUIREMENTS OF THE APPLICABLE PURCHASE ORDER. EVIDENCE OF CONFORMANCE IS ON FILE AND AVAILABLE FOR REVIEW UPON REQUEST.

PETE CURTI  
CORPORATE VICE PRESIDENT OF QUALITYThank You For This Order  
PACKING LIST

PO 1888274



LRAMSEY

7/24/12



## ----- CERTIFICATE OF CONFORMANCE -----

TO: KAPCO  
1 ESSEX INDUSTRIAL PARK  
Essex, CT 06426

Cust. PO NO: 277258-00

Contract NO:  
S/O Number: 06251915

Specification : NAS 1613 REV 5

L#	Our Part Number/Customer P/N	Quantity	Batch	Cure
001	62AS568-005 E454 NAS1611-005A	1,000.00	KJAE18	4011
NAS1611-005A REV 11 COUNTRY OF ORIGIN: US				

Test Description	Test Results	Requirements
Fluid Immersion, Phos.Ester; 22 hrs @ 250F, Volume Change;% ASTM D471	14.9	0 To +18
Specific Gravity ASTM D297	1.2	1.18 To 1.22
Hardness, Durometer M; Unsoaked Condition	83	75 To 85
Material Traceability and Compound Confirmation per sec 4.5d ON FILE		

This is to certify that the above parts were made in conformity with the specification listed, and that the above test results were obtained. This report shall not be reproduced, except in full, without the written approval of ISC-FNGP laboratory. The material furnished is free from Mercury contamination.

Signed: 

Title : Quality Assurance Representative  
Date : 11/17/11



Shelf life Unlimited

Simrit  
Freudenberg and NOK Group

2041 East Wilshire Ave.  
Santa Ana, CA 92705  
USA

Phone (714) 834-0602  
Fax (714) 834-0590

International Seal, Co. (ISC) is a  
wholly owned subsidiary of  
Freudenberg-NOK.

Freudenberg and NOK Group

ICN: 274869, Doc Date: 11/28/2011



**AERO-GLEN**  
INTERNATIONAL LLC  
COMMITMENT | EXECUTION | RESULTS

1160 MUSTANG DR. SUITE 300  
DFW AIRPORT, TX 75261  
TEL: (817) 328-6600 FAX (972) 456-1015  
WWW.AEROGLEN.COM  
CAGE CODE 9V172  
ISO9001 / AS9100 / AS9120 REGISTERED  
PRI CERTIFICATION: 14-2127, 14-2128R

## PACKING SLIP

Print Date : Jul-13-2016 7:51 AM

Printed By: WBSH Print No. : 2

**No. 087067**

Pg: 1/2

**Ship To : [1]**

AVIALL CENTRAL WAREHOUSE  
Attn: RECEIVING DEPT.  
2750 REGENT BOULEVARD  
DFW Airport, TX 75261  
UNITED STATES  
Tel. : 972-586-1994

**For : Account No. [AVIALL-DALLA]**

AVIALL  
Attn: SEDRICK CLARK  
2700 Regent Blvd  
DFW Airport, TX 75261  
UNITED STATES  
Tel. : 972-586-1994

S.O. No. : 062151	Our Ref :	Domestic AW :
Cust P.O. : 0045471630	Your Ref :	Int'l AWB :
Picked On : Jun-28-2016	Spec Inst :	Origin :
Shipped On : Jul-11-2016	Contract :	Transpor :
Ship Via : DROP OFF	Lic No. :	Nationali :
F.O.B. : DESTINATION	Expires :	Trip/Flig :

Terms : NET 30

Our Contact : MERLE LANGTON

Line	P/N & Description	Cn	Ordered	Qty Shipped	Back Order	Packaging
1	MS21042L3 UID374710  Rev: 1 Note: NUT: SELF-LKG,ST PG:100 PER LOT #: 187994-1 REV: 1 MFG: FITZ MFG. CAGE CODE: 05DT8 MATL TYPE: AMS6322 Country Of Origin: USA	DF1	60,000.00	5,000.00 EA	55,000.00	
1	MS21042L3 UID374709  Rev: 1 Note: NUT: SELF-LKG,ST PG:100 PER LOT #: 185264-1 REV: 1 MFG: FITZ MFG. CAGE CODE: 05DT8 MATL TYPE: AMS6322 Country Of Origin: USA	DF1		10,000.00 EA	45,000.00	
1	MS21042L3 UID375487  Rev: 1	DF1		45,000.00 EA	0.00	

ITEM MS21042L3=28



BATCH 7364309177



MDO

07/14/16

CUSTOMER COPY

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# PACKING SLIP

Line	P/N & Description	Cn	Ordered	Qty Shipped	Back Order	Packaging
	<p>Note: NUT: SELF-LKG,ST PG:100 PER            LOT #: 191484-1            REV: 1            MFG: FITZ MFG.            CAGE CODE: 05DT8            MATL TYPE: AMS6322            Country Of Origin: USA</p>					
	<p>UNLESS NOTED ON THE FACE HEREOF, ANY AND ALL MATERIALS/PARTS SUPPLIED ON THIS S.O./P.O. MAY NOT BE DFARS 252.22-7014 ALT. 1 COMPLIANT. AERO-GLEN, INTL., GRAPEVINE, TX., USA, WILL NOT BE HELD IN VIOLATION OF THE DFARS/SPECIALTY MATERIAL REQUIREMENT. THE COMMODITIES SOLD BY AERO-GLEN, INTL., MUST BE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH ALL U.S. EXPORT LAWS. ANY DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED.</p>					

AVIALL-TRUE CERTIFIED COPY | 11/18/2016 | Ship #: 8003826768 | Line: 140 | 7364309177 | Qty: 600 | CPO: 34353



**AERO-GLEN**  
INTERNATIONAL LLC  
COMMITMENT | EXECUTION | RESULTS

1160 MUSTANG DR. SUITE 300  
DFW AIRPORT, TX 75261  
TEL: (817) 328-6600 FAX (972) 456-1015  
WWW.AEROGLEN.COM  
CAGE CODE 9V172  
ISO9001 / AS9100 / AS9120 REGISTERED  
PRI CERTIFICATION: 14-2127, 14-2128R

## CERTIFICATE OF CONFORMANCE

Print Date : Jul-13-2016 7:51 AM

Printed By: WBSH Print No. : 3

**No. : 087067**

Pg:1/2

**Sold To : Account No. [AVIALL-DALLA]**

AVIALL  
Attn: Email invoice to apinvoic@aviall.com, ACCOUNTS PAYABLE  
2700 Regent Blvd  
DFW Airport, TX 75261  
UNITED STATES  
Tel. : 972-586-1426

**Shipped To :**

AVIALL CENTRAL WAREHOUSE  
RECEIVING DEPT.  
2750 REGENT BOULEVARD  
DFW Airport, TX 75261  
UNITED STATES  
Tel. : 972-586-1994

S.O. No. : 062151	Our Ref :	Domestic AW :
Customer P. : 0045471630	Your Ref :	Int'l AWB:
Issued Date : Jun-28-2016	Spec Inst :	Origin :
	Contract :	Transpor:
Ship Via : DROP OFF	License No. :	Nationali:
F.O.B. : DESTINATION	Expires :	Trip/Flig :
Shipped Dat : Jul-11-201	Terms : NET 30	
Our Contact : MERLE LANGTON		

Line	P/N & Description	Cnd	Qty Ordered	Shipped	Unit Sell Price	Amount
1	MS21042L3 Country Of Origin: USA Pick Ticket / Packing Slip No. : 087067 Rev: 1 Note: NUT: SELF-LKG,ST PG:100 PER LOT #: 187994-1 REV: 1 MFG: FITZ MFG. CAGE CODE: 05DT8 MATL TYPE: AMS6322	DF1	60,000.00EA (Qty. Back 55,000.00)	5,000.00		
1	MS21042L3 Country Of Origin: USA Pick Ticket / Packing Slip No. : 087067 Rev: 1 Note: NUT: SELF-LKG,ST PG:100 PER LOT #: 185264-1 REV: 1 MFG: FITZ MFG.	DF1		10,000.00 (Qty. Back 45,000.00)		

THIS IS TO CERTIFY THAT THE MATERIAL(S) FORWARDED TO YOU MEET ALL THE PO, DRAWING, CHEMICAL AND PHYSICAL REQUIREMENTS AND FREE OF ANY FOREIGN OBJECT DEBRIS. AERO-GLEN, INTL. DISCLAIMS ANY RESPONSIBILITY FOR ALL MANUFACTURING OR ANY FUNCTIONAL DEFECTS AND HEREBY LIMITS EXPRESSED OR IMPLIED WARRANTIES TO LIABILITY FOR THE COST OF REPLACING THE MATERIAL OR REFUNDING THE INVOICE VALUE OF MATERIAL, SO ACCEPTING DELIVERY OF THIS MATERIAL ACKNOWLEDGES AWARENESS OF SUCH LIMITATION OF LIABILITY. PRODUCTS HAVE NOT BEEN INTRODUCED TO MERCURY CONTAMINATION WHILE AT OUR FACILITY. THE COMMODITIES SOLD BY AERO-GLEN, INTL. MUST BE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH U.S. EXPORT LAWS. ANY DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. ANY OR ALL MATERIALS/PARTS SUPPLIED ON THIS S.O./P.O. SHALL BE DFARS 252.225-7014 ALTERNATE 1 COMPLIANT AS NOTED ON A LINE ITEM BASIS.

Continued on next page(s).



**AERO-GLEN**  
INTERNATIONAL LLC  
COMMITMENT | EXECUTION | RESULTS

1160 MUSTANG DR. SUITE 300  
DFW AIRPORT, TX 75261  
TEL: (817) 328-6600 FAX (972) 456-1015  
WWW.AEROGLEN.COM  
CAGE CODE 9V172  
ISO9001 / AS9100 / AS9120 REGISTERED  
PRI CERTIFICATION: 14-2127, 14-2128R

## CERTIFICATE OF CONFORMANCE

Pick Ticket No. 087067 Page:2/2

Line	P/N & Description	Cnd	Qty Ordered	Shipped	Unit Sell Price	Amount
1	CAGE CODE: 05DT8 MATL TYPE: AMS6322 MS21042L3  Country Of Origin: USA Pick Ticket / Packing Slip No. : 087067 Rev: 1 Note: NUT: SELF-LKG,ST PG:100 PER LOT #: 191484-1 REV: 1 MFG: FITZ MFG. CAGE CODE: 05DT8 MATL TYPE: AMS6322	DF1				
				45,000.00 (Qty. Back 0.00)		

THIS IS TO CERTIFY THAT THE MATERIAL(S) FORWARDED TO YOU MEET ALL THE PO, DRAWING, CHEMICAL AND PHYSICAL REQUIREMENTS AND FREE OF ANY FOREIGN OBJECT DEBRIS. AERO-GLEN, INTL. DISCLAIMS ANY RESPONSIBILITY FOR ALL MANUFACTURING OR ANY FUNCTIONAL DEFECTS AND HEREBY LIMITS EXPRESSED OR IMPLIED WARRANTIES TO LIABILITY FOR THE COST OF REPLACING THE MATERIAL OR REFUNDING THE INVOICE VALUE OF MATERIAL, SO ACCEPTING DELIVERY OF THIS MATERIAL ACKNOWLEDGES AWARENESS OF SUCH LIMITATION OF LIABILITY. PRODUCTS HAVE NOT BEEN INTRODUCED TO MERCURY CONTAMINATION WHILE AT OUR FACILITY. THE COMMODITIES SOLD BY AERO-GLEN, INTL MUST BE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH U.S. EXPORT LAWS. ANY DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. ANY OR ALL MATERIALS/PARTS SUPPLIED ON THIS S.O./P.O. SHALL BE DFARS 252.225-7014 ALTERNATE 1 COMPLIANT AS NOTED ON A LINE ITEM BASIS.

TYSON KAY, V.P.

Copyright (c) PENTAGON2000 Software, Inc.

ORIGINAL (COPY.)

REMIT TO: P.O. BOX 66249, LOS ANGELES, CA 90066-0249  
 13402 BEACH AVE., MARINA DEL REY, CA. 90292  
 TEL (310) 821-5582 \* FAX (310) 821-0378 \* (310) 821-5616  
 D.U.N.S. 05-148-3659 FEDERAL I.D. 95-2312505

ACCOUNT NO. **77003A**  
 SOLD TO: AERO-GLEN INTERNATIONAL LLC  
 P O BOX 878  
 GRAPEVINE, TX 76099-0878  
 USA

SHIP TO:  
 AERO-GLEN INTERNATIONAL, LLC  
 1160 MUSTANG DRIVE STE 300  
 DFW INTERNATIONAL AIRPORT, TX 75261  
 USA  
**www.aircraftfasteners.com**



SALES ORDER NO.		CUSTOMER P.O. NO.	BUYER	SALESPERSON	TERMS
1049055-002		031770	MERLE LANGTON	ERIN	1%10 NET45
DATE ORDERED	DATE SHIPPED	SHIP VIA / FOB / SPECIAL INSTRUCTIONS			
10-27-15		UPS Ground - Collect Acct #: 756163			
LINE	ORDERED	PART NUMBER/DESCRIPTION/LOT NO.	SHIPPED	NOTES	
1	45,000	FIH30A3 FITZ, LOCKNUT 10-32 Cust Part #: MS21042L3 45,000 PCS CTL# 85015-03-008 MFG LOT # 191484-1 Country of Origin: USA MFG: FITZ AEROSPACE Inspection Report #: 15136	45,000	IAW DFARS 252.225-7014 ALT 1	
		PC - PHYSICAL /CHEMICAL CERTIFICATION			

SHORTAGES MUST BE REPORTED WITHIN 10 DAYS.  
 NO RETURNS ACCEPTED WITHOUT AUTHORIZATION.  
 NO RETURNS ACCEPTED WITHOUT LOT TRACEABILITY.

MAINTAIN TRACEABILITY -  
 DO NOT MIX LOTS

REMIT TO: P.O. BOX 66249, LOS ANGELES, CA 90066-0249  
 13402 BEACH AVE., MARINA DEL REY, CA. 90292  
 TEL (310) 821-5582 \* FAX (310) 821-0378 \* (310) 821-5616  
 D.U.N.S. 05-148-3659 FEDERAL I.D. 95-2312505

ACCOUNT NO. 77003A  
 SOLD TO: AERO-GLEN INTERNATIONAL LLC  
 P O BOX 878  
 GRAPEVINE, TX 76099-0878  
 USA

SHIP TO:  
 AERO-GLEN INTERNATIONAL, LLC  
 1160 MUSTANG DRIVE STE 300  
 DFW INTERNATIONAL AIRPORT, TX 75261  
 USA

**AFI**  
**Aircraft Fasteners**  
 INTERNATIONAL, LLC  
 1160 Mustang Drive Ste 300  
 DFW International Airport, TX 75261  
 www.aircraftfast.com

SALES ORDER NO.		CUSTOMER P.O. NO.		BUYER	SALESPERSON	TERMS
1049055-002		031770		MERLE LANGTON	ERIN	1%10 NET45
DATE ORDERED	DATE SHIPPED	SHIP VIA / FOB / SPECIAL INSTRUCTIONS				
10-27-15		UPS Ground - Collect Acct #: 756163				
LINE	ORDERED	PART NUMBER/DESCRIPTION/LOT NO.	SHIPPED	NOTES		
				<b>CERTIFICATE OF CONFORMANCE</b> <p>All inventory is purchased and maintained with manufacturer's lot number traceability, unless otherwise specified, with documentary evidence in the form of certification of conformance and/or physical and chemical test reports on file, available for inspection, attesting that items have been manufactured in accordance with all applicable standards and specifications. Parts are free of debris, packaged in a clean environment that prevents contamination. Material as shipped was free from mercury contamination while in our possession. AIRCRAFT FASTENERS INTERNATIONAL, LLC. disclaims any responsibility for manufacturing or functional defects and hereby limits express or implied warranties to liability for replacement of this material, with responsibility not to exceed the invoice amount. When exporting this product you must comply with US Export Administration regulations. Any diversion to these regulations contrary to U.S law is prohibited.</p> <p><i>N. Valderama</i>                  QUALITY MANAGER</p>		

SHORTAGES MUST BE REPORTED WITHIN 10 DAYS.  
 NO RETURNS ACCEPTED WITHOUT AUTHORIZATION.  
 NO RETURNS ACCEPTED WITHOUT LOT TRACEABILITY.

MAINTAIN TRACEABILITY -  
 DO NOT MIX LOTS

PAGE: 2 of 2

PACKING SLIP / CERTIFICATION

7:26 am - 242380-4




6625 Iron Horse Blvd. - North Richland Hills, TX 76180  
Phone (817) 281-8816 - Fax (817) 498-6974

**B I L L**  
AIRCRAFT FASTENERS INT'L LLC  
13402 BEACH AVENUE  
MARINA DEL REY, CA 90292

**S H I P**  
AIRCRAFT FASTENERS INT'L LLC  
13402 BEACH AVENUE  
MARINA DEL REY, CA 90292

77783	01/26/2016	Net 30	85015	UPS GROUND

004	200000	102578	MS21042L3 Test Reports Full <b>THIS MATERIAL IS DFAR252.225-7009 ALT I COMPLIANT.</b> Qty: 3575 FMI Lot#: 191481-1 Bin: 06-23-03-19 Qty: 99003 FMI Lot#: 191484-1 Bin: F-06-08	Rev. 1	EACH	0.1
UPS ACCT # 917822			Hear # 10307890 CFC 1-24-16			
150 LBS SHIP FEDEX ACCT # 090467840						
			015135 015136			
						

<input checked="" type="checkbox"/> Mfg C of C	<input checked="" type="checkbox"/> Finish Certs	<input type="checkbox"/> Mercury	<input type="checkbox"/> Test Reports
<input type="checkbox"/> FAI	<input checked="" type="checkbox"/> Heat Treat Certs	<input type="checkbox"/> Pulled	<input type="checkbox"/> Boxed
<input checked="" type="checkbox"/> Chem & Phys	<input checked="" type="checkbox"/> NDT	<input type="checkbox"/> Bagged	<input type="checkbox"/> Shipped

**Certificate of Conformance**

FMI certifies that the materials, processes and parts furnished in this shipment were produced in accordance with all applicable drawings, specifications and purchase order requirements. Inspection and/or test reports indicating conformance are on file and available for examir. All claims for error, shortage or damage must be made within 10 days after receipt of goods. No goods to be returned without FMI issued Authorization Number (RMA). We do not assume financial responsibility or liability from the use of products sold, other than the replacem value of products sold.

*Cathy Clark*

*Thyryson K*  
Authorized Signature

CF 801-3 REV.5 6/8/2012

**CERTIFICATION**





**AERO-GLEN**  
INTERNATIONAL LLC  
COMMITMENT | EXECUTION | RESULTS

1160 MUSTANG DR. SUITE 300  
DFW AIRPORT, TX 75261  
TEL: (817) 328-6600 FAX (972) 456-1015  
WWW.AEROGLEN.COM  
CAGE CODE 9V172  
ISO9001 / AS9100 / AS9120 REGISTERED  
PRI CERTIFICATION: 14-2127, 14-2128R

## PACKING SLIP

Print Date : Jul-12-2016 6:46 AM

Printed By : WBSH Print No. : 2

**No. 087515**

Pg:1/1




**Ship To : [1]**

AVIALL CENTRAL WAREHOUSE  
Attn: RECEIVING DEPT.  
2750 REGENT BOULEVARD  
DFW Airport, TX 75261  
UNITED STATES  
Tel. : 972-586-1994

**For : Account No. [AVIALL-DALLA]**

AVIALL  
Attn: SEDRICK CLARK  
2700 Regent Blvd  
DFW Airport, TX 75261  
UNITED STATES  
Tel. : 972-586-1994

S.O. No. : 062427	Our Ref :	Domestic AW :
Cust P.O. : 0045479094	Your Ref :	Int'l AWB :
Picked On : Jul-11-2016	Spec Inst :	Origin :
Shipped On : Jun-29-2016	Contract :	Transpor :
Ship Via : DROP OFF	Lic No. :	Nationali :
F.O.B. : DESTINATION	Expires :	Trip/Flig :
Terms : NET 30		
Our Contact : MERLE LANGTON		

Line	P/N & Description	Cn	Ordered	Qty Shipped	Back Order	Packaging
1	AN4-42A UID:138096  Note: BOLT: HEX HD,ST PG:5 PER LOT #: 12810 REV: 1 MFG: AIRFASCO	DFN	260.00	260.00 EA	0.00	
UNLESS NOTED ON THE FACE HEREOF, ANY AND ALL MATERIALS/PARTS SUPPLIED ON THIS S.O./P.O. MAY NOT BE DFARS 252.22-7014 ALT. 1 COMPLIANT. AERO-GLEN, INTL., GRAPEVINE, TX., USA, WILL NOT BE HELD IN VIOLATION OF THE DFARS/SPECIALTY MATERIAL REQUIREMENT. THE COMMODITIES SOLD BY AERO-GLEN, INTL., MUST BE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH ALL U.S. EXPORT LAWS. ANY DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED.						
<div><div><div>ITEM AN4-42A = 28</div><div></div><div>BATCH 7364309883</div><div></div></div><div>MDO 07/14/16</div></div>						

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CUSTOMER COPY



**AERO-GLEN**  
INTERNATIONAL LLC  
COMMITMENT | EXECUTION | RESULTS

1160 MUSTANG DR. SUITE 300  
DFW AIRPORT, TX 75261  
TEL: (817) 328-6600 FAX (972) 456-1015  
WWW.AEROGLEN.COM  
CAGE CODE 9V172  
ISO9001 / AS9100 / AS9120 REGISTERED  
PRI CERTIFICATION: 14-2127, 14-2128R

## CERTIFICATE OF CONFORMANCE

Print Date : Jul-12-2016 6:46 AM

Printed By : WBSH Print No. : 3

**No. : 087515**

Pg: 1/1

**Sold To : Account No. [AVIALL-DALLA]**

AVIALL  
Attn: Email invoice to apinvoices@aviall.com, ACCOUNTS PAYABLE  
2700 Regent Blvd  
DFW Airport, TX 75261  
UNITED STATES  
Tel. : 972-586-1426

**Shipped To :**

AVIALL CENTRAL WAREHOUSE  
AIR RECEIVING DEPT.  
2750 REGENT BOULEVARD  
DFW Airport, TX 75261  
UNITED STATES  
Tel. : 972-586-1994

S.O. No. : 062427	Our Ref :	Domestic AW :
Customer P. : 0045479094	Your Ref :	Int'l AWB:
Issued Date : Jul-11-2016	Spec Inst :	Origin :
	Contract :	Transpor:
Ship Via : DROP OFF	License No. :	Nationali:
F.O.B. : DESTINATION	Expires :	Trip/Flig :
Shipped Dat : Jun-29-201	Terms : NET 30	
Our Contact : MERLE LANGTON		

Line	P/N & Description	Cnd	Qty Ordered	Shipped	Unit Sell Price	Amount
1	AN4-42A  Pick Ticket / Packing Slip No. : 087515 Note: BOLT: HEX HD,ST PG:5 PER LOT #: 12810 REV: 1 MFG: AIRFASCO	DFN	260.00EA	260.00 (Qty. Back 0.00)		

THIS IS TO CERTIFY THAT THE MATERIAL(S) FORWARDED TO YOU MEET ALL THE PO, DRAWING, CHEMICAL AND PHYSICAL REQUIREMENTS AND FREE OF ANY FOREIGN OBJECT DEBRIS. AERO-GLEN, INTL. DISCLAIMS ANY RESPONSIBILITY FOR ALL MANUFACTURING OR ANY FUNCTIONAL DEFECTS AND HEREBY LIMITS EXPRESSED OR IMPLIED WARRANTIES TO LIABILITY FOR THE COST OF REPLACING THE MATERIAL OR REFUNDING THE INVOICE VALUE OF MATERIAL, SO ACCEPTING DELIVERY OF THIS MATERIAL ACKNOWLEDGES AWARENESS OF SUCH LIMITATION OF LIABILITY. PRODUCTS HAVE NOT BEEN INTRODUCED TO MERCURY CONTAMINATION WHILE AT OUR FACILITY. THE COMMODITIES SOLD BY AERO-GLEN, INTL MUST BE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH U.S. EXPORT LAWS. ANY DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. ANY OR ALL MATERIALS/PARTS SUPPLIED ON THIS S.O./P.O. SHALL BE DFARS 252.225-7014 ALTERNATE 1 COMPLIANT AS NOTED ON A LINE ITEM BASIS.

TYSON KAY, V.P.

Copyright (c) PENTAGON 2000 Software, Inc.

ORIGINAL (COPY.)



2655 HARRISON AVE. SW  
CANTON, OH 44706  
PHONE: (330)430-6190  
FAX: (330)430-6199

## CERTIFICATE OF CONFORMANCE

### AERO-GLEN

I hereby certify that on 08/22/12 Airfasco Industries provided the supplies called for by Contract/ PO Number 023502 in accordance with all applicable requirements for shipment. I further state that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States.

  
WM. DENT

Quality Assurance Representative

PART NUMBER	LOT NUMBER	QUANTITY	PART NUMBER	LOT NUMBER	QUANTITY
AN4-42A	12810	2000			

CIF3-0



Company  
Align Aerospace Main CDC  
21123 Nordhoff Street  
CHATSWORTH CA 91311  
USA

Phone:  
Fax:  
Internet:

Page 1 of 1  
09/22/2016

## PACKING SLIP

### Sold-To-Party

AVIALL SERVICES, INC.  
PO BOX 619048  
DALLAS TX 75261  
USA  
9724062000  
Marcus.Shields@aviall.com

### Ship-To-Party

AVIALL CENTRAL WAREHOUSE  
2750 REGENT BLVD  
DFW AIRPORT TX 75261  
USA

### Information

Packing Slip No.	81429684
Document Date	09/21/2016
Customer PO No.	45491913
Customer PO Date	08/05/2016
Sales Order No.	469120
Sales Order Date	08/05/2016
Customer No.	2004461
Ship Via	Fedex ground
Shipping Conditions	Standard
Incoterms	FOB SHIPPOINT
Delivery Date	10/03/2016
Total Boxes	1
Contact Info.	

Item	Material/Description	Ordered Qty	Qty Shipped	Balance Due	Weight
	123985630				
	AN316C4R	400.00 EA	400.00 EA	0.00 EA	81.200 LB
	NUT, JAM, HEXAGON				
	Batch 0000016117				
	ITEM 10				
	Characteristics				
	Cert Code at Batch Level DTC				
	Country of origin of material US				
	Manufacturer Name MRLMFG				
	Vendor Batch Number 7077#2				
	Revision of Material in batch 1				
	CAGE Code - Ext mfg number N/A				

ITEM AN316C4R=28

BATCH 7364370821

AHENRY  
09/29/16

This document shown in US currency. The commodities sold by Align must be exported from USA in accordance with US Export law / regulations. Diversion contrary to USA law is prohibited. Tax ID:

These commodities are subject to U.S. Government ITAR/EAR Regulations. ITAR EXPORTS may not be transferred, transshipped on a non-continuous voyage, or otherwise be disposed of in any other country, either in their original form or after being incorporated into other end-items, without the prior written approval of the U.S. Department of State.

### CERTIFICATE OF CONFORMANCE

The manufacturer has represented products furnished in this shipment as conforming to applicable drawings and specifications. Required supporting evidence is available at Align Aerospace or source of Purchase upon request, subject to a fee.

DIRECTOR OF QUALITY

Ronald Basque

# MRL MANUFACTURING CORP.

P. O. BOX 8440 59 LEE AVENUE HALEDON, NJ 07508

(973) 790-1744  
FAX: (973) 790-1414

## CERTIFICATE OF CONFORMANCE

ALIGN AEROSPACE

08/27/12

PART# AN316C4R REV. 1

Item No. 1

Purchase Order No. PURICA34-00

Qty. Shipped 40,000

Manufactured Under Job No. 7077 # 2

### MATERIAL:

☒ STEEL, CORROSION-RESISTANT ☐ BRASS Date Mfg. Aug-12  
☐ STEEL, NON-CORROSION-RESISTANT ☐ OTHER  
☐ ALUMINUM

Raw Material Conforms To: ASTM A 582 T-303 S/S, as evidenced by attached Mill Certification

HEAT # E11238 MRL P. O. No. # 12989 Vendor YARDE METALS

Material certification with Heat Numbers assures traceability to vendor of raw material.

### FINISH:

☐ NAS671 ARE PASSIVATED PER AMS2700, METHOD 1, CLASS 4.  
☐ CADMIUM PLATED TO SAE-AMS-QQ-P-416, LATEST REVISION, TYPE I, CLASS 2 (CERT ENCLOSED)  
☐ CADMIUM PLATED TO SAE-AMS-QQ-P-416, LATEST REVISION, TYPE II, CLASS 2 (CERT ENCLOSED)  
☒ PASSIVATED TO ASTM A 967, ASTM A 380, AMS-QQ-P-35 AND AMS2700, METHOD 1, CL TYPE 6, CLASS 1  
☐ PLATED BLACK OXIDE PER MIL -F- 495.

### WORKMANSHIP:

☒ Conforms dimensionally to standard ☒ DISCONTINUITIES  
☐ Bearing surface squareness as specified per ☐ Within limits per FFN-836E  
☐ NOT APPLICABLE FOR THE FFN-836E

### MERCURY FREE CLAUSE

We certify that no possibility exists for mercury contamination to occur during manufacture, assembly, or testing of parts on this contract.

Signature

Q.C. MANAGER

I certify that the above test results and/or statements are correct and represent the products as supplied.

Signature

QUALITY CONTROL DEPARTMENT  
Q.C. MANAGER

ALIGN AEROSPACE
CERT ACCEPTANCE
CODE M.H. DTC
DATE SEP 18 2012
APPROVAL



MANUFACTURERS OF NUTS AND INTERNAL THREADED PARTS



3300 Route 66, Box 111 - Val de Saix (France)  
Tel: +33(0)3 75 11 11 - Fax: +33(0)3 75 11 12  
Internet: www.rodacciai.com - E-mail: info@rodacciai.com

Azienda con sistema di gestione certificato da IGG  
secondo UNI EN ISO 9001:2008

The Company's Quality Management System  
is certified by IGG according to UNI EN ISO 9001:2008

Job# 7077

**CERTIFICATO DI CONTROLLO** Inspection Certif N. 060356 Date 12/09/2011

Secondo According to . . . . . EN 10204:2004 3.1

**DESTINATARIO** - Cargo-Receiver

**CLIENTE** - Customer

RODA SPECIALTY STEEL, INC.

RODA SPECIALTY STEEL, INC.

432 DIENS DRIVE  
60090 WHEELING, ILLINOIS

432 DIENS DRIVE  
60090 WHEELING, IL

**ORDINE** - Order

N. 900687

Date 25/01/2011

**D.d.T.** - Delivery note

N. 10459/13 Date 12/09/2011

**Weight**

Lb

8.907,00

**Ord N.** 2011/A/45201

**Tolerance**

+ 0,000 - 0,076 mm

**Bars Length** 3.660 - 3.710

**QUALITA'** - Grade

STANDARD Type

AISI 303

UNS S 30300

**Mark** RODACCIAI

303 PLUS

**COLATA** - Heat

E11238

**PROFILO** - Shape

HEXAGON

**DIMENSIONE** - Size

7/16"

**ESECUZIONE** - Form of delivery

COLD DRAWN

**ANALISI CHIMICA DI COLATA** - Cast analysis % by mass

C	Mn	Si	S	P	Cr	Ni	Mo	Cu	Co
0,041	1,770	0,315	0,313	0,033	17,240	8,700	0,470	0,487	0,208

N

0,0380

**CARATTERISTICHE MECCANICHE ALLO STATO DI FORNITURA**

Mechanical properties of delivered material

Tested

Tensile Strength

Rm PSI

109902,4

Yield Strength

Rp(0,2) PSI

93953,5

Elongation

A 4 (%)

37,8

Hardness

HBW

232,0

Reduction of area

Z (%)

55,7

**NOTE** - Notes

According to : AMS 5640U type 1 2007 ASTM A 320/A320M-11

ASTM A 582/A582M-05 Condition A (Annealed)

ASTM A484/A 484M 11

ASTM A314-08 - ASTM A751-08

The material was produced by EF + A.O.D.

No Weld Repair - Free of Mercury contamination

Pag. 1 / Segue

YARDE METALS Inc 07-19-12

S20424SC055-1 MRL MANUFACTURI PO: 12989 Part #:

74.00PC

501.00LB



33422 Ponder Farm Rd - Valletta 1 - Italy  
Tel. +3901878111 - Fax +3901878112  
Internet: www.rodacciai.com - e-mail: info@rodacciai.com

Azienda con sistema di gestione certificato da ISO  
secondo UNI EN ISO 9001:2008

The Company's Quality Management System  
is certified by ISO according to UNI EN ISO 9001:2008

JOB# 7077

Segue certificato di controllo  
Inspection Certificate's continuance

N. 060356 Date 12/09/2011

**NOTE - Notes**

Micro and Macro structure : Satisfactory  
100% crack tested by eddy current method: OK  
Heat treatment = 1940°F quenched in water  
The raw material was melted in U.K.  
This product was manufactured in Italy. - DFARS compliant  
Material according to our specification Nr. 047

We certify hereby, that the above mentioned products are consist-  
ent with the order prescriptions. This certificate was generated  
by data system acc. to EN 10204, it is not necessary to be  
signed for validity.

FED 1/8 2012

Pag. 2 / 2

RODACCIAI: The Work Inspector  
Roberto Quattri

YARDE METALS Inc 07-19-12

S204246C055-1 MRI MANUFACTURI PO: 12989 Part #:

74.00PC 501.00LB

**MRL MANUFACTURING CORP.**

P.O. BOX 8440 • 59 LEE AVENUE • HALEDON, NJ 07508

(973) 790-1744  
FAX: (973) 790-1414

ALIGN AEROSPACE  
21123 NORDHOFF STREET  
CHATSWORTH CA 91311

ALIGN AEROSPACE  
21123 NORDHOFF STREET  
CHATS WORTH CA 91311

SPECIAL  
INSTRUCTIONS

☒ FULL CERTS ENCLOSED  
☐ MFR CERTS ENCLOSED

ACCT. NO.	ORDER DATE	CUSTOMER ORDER NUMBER	SLS NO.	SHIP DATE	SHIP VIA	TERMS	COMPLETE <input checked="" type="checkbox"/>	ORDER NUMBER
1200	09/02/12	PURICA34-00	1	09/12/12	UPS	1/10 NET 30	PARTIAL <input type="checkbox"/>	88172
QUANTITY ORDERED	QUANTITY SHIPPED	QUANTITY BACK ORDERED	DESCRIPTION				JOB NO.	
40000	40,000	Ø	AN 316 C 4 R REV. 1				7077	
			09/12/12				#2	
			***MADE IN THE USA***					
			The above items are in accordance with					
			DFAR 252.225.7014 plus Alt. 1,					
			"Preference for Domestic Specialty Metals"					
			Melt source must be in United States or in					
			qualifying country per subsection 225.872.1					
DATE SHIPPED		NO. CARTONS	WEIGHT	PACKED BY	SHIPPED VIA	INVOICE NO.	DATE	
6-24-12		4	168	DC	UPS	Russell W. Morahan		

**CERTIFICATE OF COMPLIANCE**

We hereby certify that all goods manufactured by us are in accordance with all standards, specifications, and drawings pertaining to subject order.

PACKING SLIP

## Q.C. MANAGER



**ETA Global Inc.**P.O. BOX 259  
PALESTINE, TX 75802-0259PH: (903)729-3131  
Quality FAX: (903)729-1217  
www.etaglobal.com**Packing Slip**

342741-000

Page 1 of 1

Ship Date:

ISO9001:2008  
AS9100 Rev C  
Certificate NO. C0023281

Sold to: 8418

Ship to:

AVIALL SERVICES (CONTRACT)  
ATTN: ACCOUNTS PAYABLE  
PO BOX 619048  
DALLAS, TX 75261  
UNITED STATESAVIALL SERVICES (CONTRACT)  
2750 REGENT BLVD  
DFW AIRPORT, TX 75261  
UNITED STATES

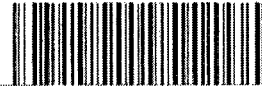
Customer P.O.	Department	Message
45331977	500	FEDEX 0752-6857-2
Payment terms	Salesper 2	B P
1%10NET30	#####	Y Y
Ln	Ship Quantity	UOM
Item / Description	Ship via	Freight terms
	Fed X grnd	COLLECT

0040 5000 EACH NAS1149C0532R  
WASHER, FLAT  
CRESControl #: 49321600-01-01 5000  
Mfg Lot #: 7081-4/10/13  
MFG: MOELLER MFG & SUPPLY INC  
Country of origin: UNITED STATES

ITEM NAS1149C0532R=28



BATCH 7364298112

LRAMSEY  
06/30/16

ETA Global, Inc. certifies the products furnished on the above referenced order were manufactured in accordance with all applicable part numbers, specifications and descriptions. This statement is supported by a certificate of conformance and/or test reports on file at our facility or the place of manufacture/supply. In addition, the product listed on this packing list meets all requirements of DFARS 252.225-7009 - Restriction on Acquisition of Certain Articles Containing Specialty Metals (formerly DFARS 252.225-7014 & Alt. I (Preference for Domestic Specialty Metal)). Supporting documentation is available for review with proper notice (additional costs may be incurred).

Quality Control Authority Chris K. W. on ETA Date: 6 / 24 / 16  
#2

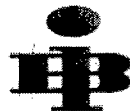
IMPORTANT NOTICE: LIMITATION OF REMEDIES: If this product is proved to be defective, the exclusive remedy available and ETA's only obligation shall be to replace such quantity of this product which is proved to be defective or to refund the purchase price paid for this product. ALL CLAIMS FOR DEFECTIVE MATERIAL ARE WAIVED UNLESS MADE IN WRITING WITHIN 30 DAYS FROM THE DATE OF SHIPMENT. LIMITATION OF LIABILITIES: ETA shall not be liable for any damages, including incidental and/or consequential damage, regardless of the legal theory asserted, including negligence and/or strict liability. Before using, User shall determine the suitability of the product for intended use. User assumes all risk and liability whatsoever in connection therewith. CHECK CAREFULLY - Reference must be made to our delivery receipt register number when making claims or request for adjustment. ALL RETURNS SUBJECT TO APPROVAL OF SELLER TO RETURN. This foregoing limitation of remedies and liabilities may not be altered unless in writing signed by the President of ETA GLOBAL, INC.

Distribution/Manufacturing software provided by Rennie, Lindsey and Associates, Inc.

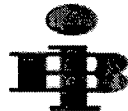
06-24-16 11:44 AM  
Mention promo code 004189 at [www.ra-assist.com/promo.html](http://www.ra-assist.com/promo.html)

AVIAL - TRIPLE CERTIFIED

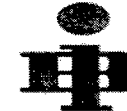
11/18/2016 | Ship #: 80098267687 | Line: 110 | 7364314122 | QTY: 50 | CPO: 34353



CUST PO NO 0045472538 SO NO 532291  
FROM: BILD INDUSTRIES, INC.  
800 CLEARWATER LOOP  
POST FALLS, ID 83854



CUST PO NO 0045472538 SO NO 532291  
FROM: BILD INDUSTRIES, INC.  
800 CLEARWATER LOOP  
POST FALLS, ID 83854



CUST PO NO 0045472538 SO NO 532291  
FROM: BILD INDUSTRIES, INC.  
800 CLEARWATER LOOP  
POST FALLS, ID 83854

AVIAL SERVICES, INC.  
AVIAL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261

SHIP TO

AVIAL SERVICES, INC.  
AVIAL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261

SHIP TO

AVIAL SERVICES, INC.  
AVIAL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261

CUSTOMER BILL TO ADDRESS

AVIAL SERVICES, INC.  
ATTN. AP DEPT.  
P.O. BOX 619048  
DALLAS TX 752619048

COMPLETE CUSTOMER PO NO.

0045472538

BUYER NAME & PHONE NO.

EDI

BILL TO NO.

SHIP TO NO.

PAGE

ASI007

PACKING SLIP

INSPECT IMMEDIATELY

LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER	LOT	CUST. PO NO.	CUST. NO.	DESCRIPTION
1		550	550	88169/81821 AN4C13A	0045472538	ASI007	BOLT BX 3-26
2		1	1	S/C MANUFACTURE CERT	0045472538	ASI007	CERTIFICATION
3		1	1	COUNTRY OF ORIGIN	0045472538	ASI007	
4							
5							
6							
7							
8							
9							
10							

AVIAL  
07/20/16



CERTIFICATION OF CONFORMANCE  
WE HEREBY CERTIFY THAT THE MERCHANDISE INCLUDED ON THIS PACKING LIST IS IN CONFORMANCE  
WITH AN-MS-NAS OR APPLICABLE SPECIFICATIONS AND OR DRAWINGS.

CAGE CODE 31222

DATE

JUL 06 2016

QUALITY CONTROL MANAGER

*Paul K. Spencer*

TOTAL WT

NO CTNS

P = PARTIAL  
C = COMPLETE  
CC = CONSIDER COMPLETE  
CX = CANCEL

DATE SHIPPED

SHIPPED BY

SIGNATURE - MERCHANDISE RECEIVED

X

**MAC FASTENERS, INC.**  
**1110 ENTERPRISE**  
**OTTAWA, KANSAS 66067**

**CERTIFICATE OF CONFORMANCE  
AND  
MANUFACTURER'S AFFIDAVIT**

CUSTOMER: BILD INDUSTRIES

PO: 88169

PART NUMBER: AN4C13A

REV: 3

LOT NUMBER: 81821

MANUFACTURED QUANTITY: 3,500

MILL HEAT NUMBER: 267103

COUNTRY OF ORIGIN: UNITED STATES OF AMERICA

DFARS 252.225.7009 Compliant

**MERCURY FREE CERTIFICATION**

MacFasteners certifies that the parts referenced in the above lot number  
do not contain Mercury or Mercury compounds, and were  
manufactured in a Mercury free environment.

We certify that the parts furnished against the above referenced purchase order were manufactured by MAC  
FASTENERS within the United States, and were processed in accordance with all applicable drawings and  
specifications. Objective evidence of compliance is on file, subject to examination upon request.

Mac Fasteners is a DISC QSLM approved Manufacturer - CAGE Code 0RFT4  
Mac Fasteners is an Airbus approved Supplier - 203399

DATE: 03/22/16

  
QUALITY ASSURANCE REPRESENTATIVE



2655 Harrison Ave SW  
Canton, OH 44706  
Ph: 330-430-6190, Fax: 330-430-6199.

# Packing Slip

Original

Invoice #: 146315

Invoice Date: 8/19/2016

Time: 12:32:24 PM

Page: 1

To:  
AVIALLAEROSPACE TEXAS  
PO BOX 619048  
DFW AIRPORT  
DALLAS, TX 75261-0000  
USA  
ATTN: REJOE JACOB  
Ph: 972-586-1903 Fax: 972-586-7995

ITEM AN3-10A = 28



BATCH 7364344947



MTHOMAS  
08/26/16

Cust. PO#: 45497444

Terms: NET 30

Ship Via: FED EX MOTOR FRESHip Via Acc:

Order Date: 8/12/2016

# of Items: 2

# of Boxes: 6

Weight: 218

Prepared By:

Sales Order: 120255

Ship Log #: 1

Ship Order:

Customer #: 15195

VAT #:

Cust VAT #:

Ship Date: 8/19/2016

Buyer: REJOE JACOB

FOB:

AWB:

Shipment:

WO #:

Item	Part Number/Description	Shipped	BackOrd	CD	List Price	Disc	Unit Price	UOM	Total Amt
1	AN3-10A BOLT, AN Loc/Whse: 2C1 2B1 Control #: 151370-1 L-22983 100 PC IN PACK	12500	0	NE				EA	
2	MS27039-1-14 SCREW, MS Loc/Whse: 27C3 Control #: 139442-1 L-16938 100 PC IN PACK	6500	0	NE				EA	

C OF C ENCLOSED  
6 BOXES 218 LBS  
PARTS MANUFACTURED IN USA  
THANK YOU!

Special Instructions:

Authorized Signature:



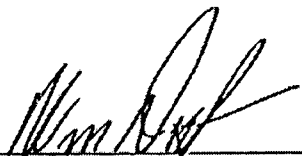
2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199

**CERTIFICATE OF CONFORMANCE**


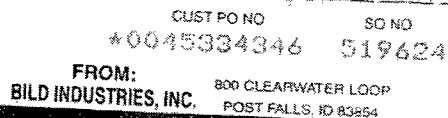
**AVIALL**

I hereby certify that on 08/19/16 Airfasco Industries provided the supplies called for by Contract/ PO Number **45497444** in accordance with all applicable requirements for shipment. I further state/ that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States.

Quality Assurance Representative

  
WM. DENT

PART NUMBER	LOT NUMBER	QUANTITY	PART NUMBER	LOT NUMBER	QUANTITY
AN3-10A	22983	12500	MS27039-1-14	16938	6500



CUST PO NO SO NO  
\*0045334346 519624  
FROM: 800 CLEARWATER LOOP  
BILD INDUSTRIES, INC. POST FALLS, ID 83854



CUST PO NO 60 NO  
\*0045334346 519624  
FROM: 800 CLEARWATER LOOP  
BILD INDUSTRIES, INC. POST FALLS ID 83954

AVIALL SERVICES, INC.  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261

AVIALL SERVICES, INC.  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261

AVIALL SERVICES, INC.  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261

CUSTOMER BILL TO ADDRESS

AVIALL SERVICES, INC.  
ATTN. AP DEPT.  
P.O. BOX 619048  
DALLAS

COMPLETE CUSTOMER PO NO.

BILL TO NO.

SHIP TO NO.

PAGE

\*0045334246

BUYER NAME & PHONE NO.


1993

1007 1 PACKING SLIP  
INSPECT IMMEDIATELY


**Thank  
you  
for**

LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER	LOT	CUST. PO NO.	CUST. NO.	DESCRIPTION
1		3000	3000	85995/76997			
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER	LOT	CUST. PO NO.	CUST. NO.	DESCRIPTION
2		1	1	AN5-10A	*004533434	ASI007	BOLT bx18-19=50
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER	LOT	CUST. PO NO.	CUST. NO.	DESCRIPTION
3		1	1	S/C MANUFACTURE CERT	*004533434	ASI007	CERTIFICATION
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER	LOT	CUST. PO NO.	CUST. NO.	DESCRIPTION
				USA	*004533434	ASI007	COUNTRY OF ORIGIN
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER	LOT	CUST. PO NO.	CUST. NO.	DESCRIPTION
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER	LOT	CUST. PO NO.	CUST. NO.	DESCRIPTION
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER	LOT	CUST. PO NO.	CUST. NO.	DESCRIPTION
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER	LOT	CUST. PO NO.	CUST. NO.	DESCRIPTION
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER	LOT	CUST. PO NO.	CUST. NO.	DESCRIPTION

ITEM AN5-10A=28



BATCH 7364253894



ITEM AN5-10A=28



BATCH 7364253894



DMCEVOY  
05/10/16

**CERTIFICATION OF CONFORMANCE**

CERTIFICATION OF CONFORMANCE  
WE HEREBY CERTIFY THAT THE MERCHANDISE INCLUDED ON THIS PACKING LIST IS IN CONFORMANCE  
WITH AN-MS-NAS OR APPLICABLE SPECIFICATIONS AND OR DRAWINGS.

CAGE CODE 31222

DATE \_\_\_\_\_

APR 27 2018

~~QUALITY CONTROL MANAGER~~

DATE SHIPPED

SHIPPED VIA

P = PARTIAL  
C = COMPLETE  
CC = CONSIDER COMPLETE  
CX = CANCEL

AVAILABLE - TRUE CERTIFIED COPY 1/1/2016

WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH THE  
APPLICABLE REQUIREMENTS OF SECTIONS 6, 7, AND 10 OF THE FAIR LABOR STANDARDS  
ACT OF 1938, AS AMENDED, AND OF REGULATIONS AND ORDERS OF THE ADMINISTRATION  
OF THE WAGE AND HOUR DIVISION ISSUED UNDER SECTION 11 THEREOF. IF ANY  
ITEMS IF RESOLD OR REPACKED MUST CONFORM TO THE REQUIREMENTS OF SECTIONS  
1004 AND 19 OF PART 134. ALL CLAIMS MUST BE MADE WITHIN TEN (10) DAYS OF  
LIST MUST ACCOMPANY CLAIM. MERCHANDISE NOT SUBJECT TO RETURN WITHOUT OUR  
PERMISSION.

MATERIAL CONTAINED IN THIS SHIPMENT WAS INSPECTED IN ACCORDANCE WITH  
APPLICABLE DRAWINGS AND SPECIFICATIONS. GILD INDUSTRIES DISCLAIMS ANY  
RESPONSIBILITY FOR MANUFACTURING OR FUNCTIONAL DEFECTS, AND HEREBY  
EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTIES TO LIABILITY FOR THE COST OF REPLACING  
OR RETURNING THIS MATERIAL. BUYER IN ACCEPTING DELIVERY OF THIS MATERIAL  
ACKNOWLEDGES AWARENESS OF SUCH LIMITATIONS.

**MAC FASTENERS, INC.**  
**1110 ENTERPRISE**  
**OTTAWA, KANSAS 66067**

**CERTIFICATE OF CONFORMANCE  
AND  
MANUFACTURER'S AFFIDAVIT**

CUSTOMER: BILD INDUSTRIES

PO: 85995

PART NUMBER: AN5-10A

REV: 3

LOT NUMBER: 76997

MANUFACTURED QUANTITY: 23,000

MILL HEAT NUMBER: 8198842

COUNTRY OF ORIGIN: UNITED STATES OF AMERICA

DFARS 252.225.7009 Compliant

**MERCURY FREE CERTIFICATION**

MacFasteners certifies that the parts referenced in the above lot number do not contain Mercury or Mercury compounds, and were manufactured in a Mercury free environment.

We certify that the parts furnished against the above referenced purchase order were manufactured by MAC FASTENERS within the United States, and were processed in accordance with all applicable drawings and specifications. Objective evidence of compliance is on file, subject to examination upon request.

Mac Fasteners is a DISC QSLM approved Manufacturer - CAGE Code 0RFT4  
Mac Fasteners is an Airbus approved Supplier - 203399

DATE: 11/06/15

  
QUALITY ASSURANCE REPRESENTATIVE





CUST PO NO SO NO  
\*0045335814 517419  
FROM:  
BILD INDUSTRIES, INC. 800 CLEARWATER LOOP  
POST FALLS, ID 83854



CUST PO NO SO NO  
\*0045335814 519419  
FROM:  
BILD INDUSTRIES, INC. 800 CLEARWATER LOOP  
POST FALLS, ID 83854



CUST PO NO SO NO  
\*0045335814 519419  
FROM:  
BILD INDUSTRIES, INC. 800 CLEARWATER LOOP  
POST FALLS, ID 83854

SHIP TO

AVIALL SERVICES, INC.  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261

SHIP TO

AVIALL SERVICES, INC.  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261

SHIP TO

AVIALL SERVICES, INC.  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261

CUSTOMER BILL TO ADDRESS

AVIALL SERVICES, INC.  
ATTN. AP DEPT.  
P.O. BOX 619048  
DALLAS TX 752619048

COMPLETE CUSTOMER PO NO.

\*0045335814

BILL TO NO.

SHIP TO NO.

PAGE

BUYER NAME & PHONE NO.

EDI

ASI007

1

PACKING SLIP  
INSPECT IMMEDIATELY

LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER
1		830	830
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER
2		1	1
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER
3		1	1
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER

LOT 82586/5180  
AN3C10A  
S/C MANUFACTURE CERT  
USA  
COUNTRY OF ORIGIN

CUST. PO NO.	CUST. NO.	DESCRIPTION
*004533581	ASI007	BOLT
CUST. PO NO.	CUST. NO.	DESCRIPTION
*004533581	ASI007	CERTIFICATION
CUST. PO NO.	CUST. NO.	DESCRIPTION
*004533581	ASI007	
CUST. PO NO.	CUST. NO.	DESCRIPTION
CUST. PO NO.	CUST. NO.	DESCRIPTION
CUST. PO NO.	CUST. NO.	DESCRIPTION
CUST. PO NO.	CUST. NO.	DESCRIPTION
CUST. PO NO.	CUST. NO.	DESCRIPTION

B-2-28

DMCEVOY  
12/29/15



CERTIFICATION OF CONFORMANCE  
I HEREBY CERTIFY THAT THE MERCHANDISE INCLUDED ON THIS PACKING LIST IS IN CONFORMANCE WITH AN-MS-NAS OR APPLICABLE SPECIFICATIONS AND OR DRAWINGS.

DATE

QUALITY CONTROL MANAGER

DEC 16 2015

DATE SHIPPED SHIPPED BY

TOTAL WT NO CTNS  
P - PARTIAL  
C - COMPLETE  
CC - CONSIDER COMPLETE  
CX - CANCEL

CAGE CODE 31222

SIGNATURE - MERCHANDISE RECEIVED

AVIALL - TRUE CERTIFIED COPY 11/18/2015

[illegible]

MAC FASTENERS, INC. - RIVER VALLEY PLANT  
260 AIRPORT INDUSTRIAL RD  
PARIS, AR 72855

**CERTIFICATE OF CONFORMANCE  
AND  
MANUFACTURER'S AFFIDAVIT**

CUSTOMER: BILD INDUSTRIES

PO: 82586

PART NUMBER: AN3C10A

REV: 3

LOT NUMBER: 5180

MANUFACTURED QUANTITY: 10,357

MILL HEAT NUMBER: 568732

COUNTRY OF ORIGIN: UNITED STATES OF AMERICA

DFARS 252.225.7009 Compliant

**MERCURY FREE CERTIFICATION**

MacFasteners certifies that the parts referenced in the above lot number do not contain Mercury or Mercury compounds, and were manufactured in a Mercury free environment.

We certify that the parts furnished against the above referenced purchase order were manufactured by MAC FASTENERS within the United States, and were processed in accordance with all applicable drawings and specifications. Objective evidence of compliance is on file, subject to examination upon request.

Mac Fasteners - River Valley Plant is an AS9100C Registered Company- SAI GLOBAL - 0077991  
Mac Fasteners - River Valley Plant is a DISC QSLM approved Manufacturer - CAGE Code 3K1M6

DATE: 04/24/14

  
QUALITY ASSURANCE REPRESENTATIVE

UPC VENDOR	INVOICE NO.	ON DOCK
0000	4834705-00	
PROMISED	REQUEST	SHIPPED
12/16	08/03/16	
CUSTOMER P.O.		

WARD TO:

AL VALUE	COUNTRY OF ORIGIN	QUANTITY ORDERED	QUANTITY B.O.	QUANTITY SHIPPED
	CN	30.00	0.00	30.00



NSANCHEZ  
09/09/16

# CATE OF CONFORMANCE

E PRODUCT SUPPLIED IS NEWLY MANUFACTURED,  
TS OF THE APPLICABLE PURCHASE ORDER.  
IS ON FILE AND AVAILABLE FOR REVIEW UPON REQUEST

*the Conti*

OF QUALITY

Thank You For This Order  
PACKING LIST

08/12/16

# CUSTOMS INVOICE/PACKING SHEET



4834705-00

Cust#: 30925

SOLD TO: AVIALL DISTRIBUTION GROUP  
ATTENTION A/P DEPARTMENT  
P.O. BOX 619048

DALLAS, TX 75261-9048 US

VAT#

SHIPPER: KAPCO GLOBAL  
1 INDUSTRIAL PARK RD.  
CENTERBROOK, CT 06409

SHIP TO: AVIALL DISTRIBUTION GROUP  
2750 REGENT BLVD.  
2750 REGENT BLVD.

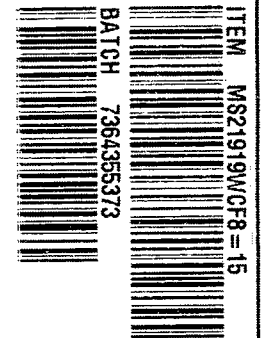
DFW AIRPORT, TX 75261 US

Pref. Routing FED EX GROUND

UPC VENDOR	INVOICE NO.	ON DOCK
000000	4834705-00	
PROMISED	REQUEST	SHIPPED
08/12/16	08/03/16	
CUSTOMER P.O.		

FORWARD TO:

P.O. NUMBER	ITEM NO.	PART NUMBER	ICN No.	QTY	UOM	UNIT PRICE	TOTAL VALUE	COUNTRY OF ORIGIN	QUANTITY ORDERED	QUANTITY B.O.	QUANTITY SHIPPED
0045492106	##### SPECIAL ORDER NOTES ##### MATERIAL HAVE 202013, 53.6% REMAINING SHELF LIFE. PER CAMERON ROSS EMAIL, THIS IS APPROVED AND WILL ACCEPT THE SHELF LIFE ON THIS MATERIAL. TNV 08-12-16										
	10	MS21919WCF8		30.00	EA				30.00	0.00	30.00
		ECCN# EAR99									
		Desc: CLAMP									
		PCAT: SQ									
		HS# 7326.90.8595									
		MFR- Name: KIRK HILL-TA CO.	345658	30.00		Cure: 202013		CN			
		Revision: E									
		Lot: L20338-001									
		KAPCO GLOBAL CERTIFIES THAT WE ARE ACCREDITED TO FAA AC-0056A FOR SHIPMENTS MADE FROM U.S. SITES. THE ITEM(S) IDENTIFIED HEREIN CONFORM TO AN ESTABLISHED INDUSTRY, U.S. GOVERNMENT, OR									



NSANCHEZ  
09/09/16

TOTAL BOX VALUE:

The merchandise listed has been produced in accordance with Fair Labor Standards Act of 1938 as amended.  
No claims allowed unless made within ten (10) days after receipt of Goods and in no case shall the liability  
assumed by us under the guarantees either expressed or implied, exceed the face value of the invoice for the  
merchandise in question.

These commodities, technology or software were exported from the United States in accordance  
with the Export Administration Regulations. Diversion contrary to U.S. Law is prohibited.

SHIPPED UNDER NLR HS#8803.30.0010 - ECCN: 9A991.D

UNLESS OTHERWISE SPECIFIED ON LINE ITEM

FOR CUSTOMS PURPOSES ONLY. DO NOT PAY FROM THIS DOCUMENT.



Terms of Sale - Incoterms-2010; EXW: Essex, CT

## CERTIFICATE OF CONFORMANCE

WE HEREBY CERTIFY THAT THE PRODUCT SUPPLIED IS NEWLY MANUFACTURED,  
AND MEETS ALL REQUIREMENTS OF THE APPLICABLE PURCHASE ORDER.  
EVIDENCE OF CONFORMANCE IS ON FILE AND AVAILABLE FOR REVIEW UPON REQUEST.

*Pete Curti*

PETE CURTI  
CORPORATE VICE PRESIDENT OF QUALITY

Thank You For This Order  
PACKING LIST

**PEERLESS AEROSPACE FASTENER CORP.**

141 Executive Blvd., PO Box 710, Farmingdale, NY 11735-0710

Sales (631) 420-8200

Expediting (631) 962-2214

Quality (631) 962-2217

Accounting (631) 962-2211

Fax (631) 420-9617

Email: sales@pafcorp.com

**PACKING SLIP**

SALES NUMBER	SNYCOQFQ
INVOICE NUMBER	INY2RL1C
INVOICE DATE	09/27/16
SHIP VIA	FED X PRI 1 NXT DAY AM DEL.
WAYBILL	674449723673
CARTONS	2
WEIGHT (lbs.)	50.00
PAGE	1 of 1

**SHIP TO:**

AVIALL CENTRAL WAREHOUSE  
2750 REGENT BLVD  
DFW AIRPORT  
DALLAS, TX 75261

**SOLD TO:**

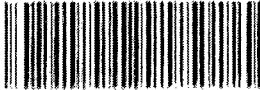
AVIALL AEROSPACE HARDWARE  
ATT: ACCTS PAYABLE  
PO BOX 619048  
DALLAS, TX 75261-9048

CUSTOMER CODE H62		BUYER REJOE		CUSTOMER PO NUMBER 45513751			FOB FARMINGDALE	
SALES REP TIM MILLER				EMAIL TMILLER@PAFCORP.COM			TERMS NET 30	
LINE #	ORDER QTY	SHIP QTY	BALANCE	UM	CUSTOMER PART / PAF PART	PRICE (\$)	TOTAL	
10	17,000	17,000  17,000	0	EA	CR3213-4-04 / CR3213-4-4 CHERRYMAX RIVETS MFG: CHERRY LOT: 88168754  DESC: A/C FASTENERS:8803.30.0010			

ITEM CR3213-4-04=29

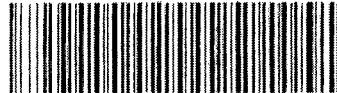


BATCH 7364370649

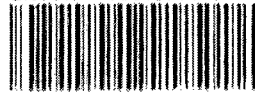


CANDERS  
09/29/16

ITEM CR3213-4-04=29



BATCH 7364370649



CANDERSON  
09/29/16

**TOTAL**

ALL PRICES IN USD

**Sealed and shipped by**

VICTOR ROSALES

Cage: 2G586

The quality system of this facility has been registered to  
the ISO AS9100 and AS9120 Standards.

The customer's use of a part number/description or our recital of a customer's designated part  
number/description does not of itself commit Peerless to supply parts of a specific manufacturer.

**CERTIFICATE OF CONFORMANCE**

It is hereby certified that all articles in the above shipment and in the quantities as called for in  
the above contractor's purchase order are in conformance with the requirements,  
specifications and drawings applicable to that order.

By:

Paul Feraca

Quality Assurance Manager

SHI-FO-007 REV.B

- Peerless BAE#: BAE/AG/20403/MMA
- Peerless AirbusUK#: 91011
- Applicable Terms and Conditions Document SER-FO-007  
(attached and available at [www.pafcorp.com](http://www.pafcorp.com)) are  
incorporated as part of this document.
- Country of Origin U.S.A.



**CHERRY®**  
AEROSPACE  
SPS Fastener Division, a PCC Company

Cherry Aerospace  
1224 East Warner Avenue  
Santa Ana, CA 92705-5514  
USA



# PACKING LIST

Order No: S0396963  
Order Date: 02/03/16  
Print Date: 09/17/16

Page: 1



Sold-To: 10016384

Ship-To: 10016384

S O L D T O	PEERLESS AEROSPACE FAST
	141 EXECUTIVE BLVD.
	PO BOX 710
	FARMINGDALE, NY 11735
	USA

S H I P T O	PEERLESS AEROSPACE FAST
	141 EXECUTIVE BLVD.
	PO BOX 710
	FARMINGDALE, NY 11735
	USA

Salesperson (s):113

Purchase Order: PURC198S

Credit Terms: 1%10, 30  
1%10, Net 30

Ship Via: NORCO/YRC  
FOB: Origin

## Remarks:

SHIPMENTS 100 - 400 LBS. GO UPS GROUND COLLECT ACCOUNT# 148984  
SHIPMENTS 400 + LBS GO YRC (YELLOW/ROADWAY) BOL COLLECT TO PAF

\*\*\*\*\*  
DO NOT INSURE. PAF's PO# MUST BE REFERENCED. ANY SPECIAL SERVICE USED FOR  
URGENT PO REQUIREMENTS MUST BE AUTHORIZED. UNAUTHORIZED CHARGES WILL BE  
RE-BILLED OR DEBITED BACK TO SHIPPER.  
\*\*\*\*\*

BRITISH AEROSPACE APPROVAL# BAe/AG/30158/MAA to BAe/AG/QC/SC1 PART 3  
AIRBUS APPROVAL# 30114  
\*\*\*\*\*

ECCN: EAR99  
\*\*\*\*\*

\*IF APPLICABLE, PART MEETS DFARS CLAUSE 252.225-7009 ALT I

\*PREFERENCE FOR DOMESTIC SPECIALTY METALS

SHIP UPS GROUND COLLECT, ACCOUNT #795-1E0

ECCN: EAR99

SHIPMENTS OVER 150# SHIP VIA ABF ACCOUNT # 233589-075D

Unless otherwise specified on this order, Cherry will manufacture and  
certify parts to the part number's latest revision. Latest revisions are  
shown at <https://bizpartner.cherryaerospace.com/partrevisions.htm> under  
"Part Number Revision List".



Ln	Item Number	Site T Location/Lot/Serial	Qty Open Qty to Ship	Promised UM Shipped	
2	CR3213PR-4-04 Customer Item: 132269A404 CR3213-4-04 ASNA0078A404 B0207005-4-04 CAN43078B4-4	1600		EA 09/09/16	

**TEST REPORTS ENCLOSED DO NOT DESTROY**

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

## CERTIFICATION

## ATTENTION: PURCHASING DEPARTMENT

## Quality Assurance Representative

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications. Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.

Signed

SIM NGUYEN



**CHERRY®**  
**AEROSPACE**

SPS Fastener Division, a PCC Company

Cherry Aerospace  
1224 East Warner Avenue  
Santa Ana, CA 92705-5514  
USA



# PACKING LIST

Order No: S0396963

Page: 2

Order Date: 02/03/16

Print Date: 09/17/16



Sold-To: 10016384

Ship-To: 10016384

S  
O  
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D  
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PEERLESS AEROSPACE FAST  
141 EXECUTIVE BLVD.  
PO BOX 710  
FARMINGDALE, NY 11735  
USA

S  
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P  
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O

PEERLESS AEROSPACE FAST  
141 EXECUTIVE BLVD.  
PO BOX 710  
FARMINGDALE, NY 11735  
USA

Ln	Item Number	Site T Location Lot/Serial	Qty Open Qty to Ship	UM	Promised Shipped
2	CR3213PR-4-04 M7885/2-4-04 MBBN3012L3204 NAS9301B-4-04 NAS9301BNS-4-04	EZL-A25 88168754	25000.0	( )	



**TEST REPORTS ENCLOSED**  
**DO NOT DESTROY**

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

### CERTIFICATION

### ATTENTION: PURCHASING DEPARTMENT

### Quality Assurance Representative

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications. Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.

Signed  
**SIM NGUYEN**



**CHERRY AEROSPACE**1224 East Warner Avenue  
Santa Ana, CA 92707-0157Chemical Processing  
Heat Treating  
ISO/IEC 17025  
Material Testing Lab**Final Inspection & Test Report**  
**CherryMax® Rivet****An ISO9001 and AS9100 registered company. OASIS #6111041606**

Part Numbers	Rev	Proc Spec.	Rev
CR3213PR-4-04	AD	PS-CMR-3000	R
CR3213-4-04	AD	PS-CMR-3000	R

Lot I.D. No.: **88168754**Lot Size: **34,000**MFG. Date: **September 14, 2016****\*\* See 2nd Page for the Customer Parts****ASSEMBLY DATA**

TYPE	ID #	CERT #	MATERIAL	FINISH	LUBE
Rivet	88170683	A78981	QQ-A-430/5056	MIL-C-5541 CLEAR CL1A	None
Stem	88190976	A79268	AMS6322 / 8740ST	QQ-P-416/T2CL2/CAD PL	None
Collar	00000000	A79271	A-286 / AMS 5731, 5737	Passivate per AMS2700	None

W.O. #: 05070202

Final Lube: None

**QUALITY CONFORMANCE/ACCEPTANCE RESULTS**

MIN REQ'D	INSTALLED SHEAR		TENSION		SPINDLE RETENTION		DISASSEMBLY
	655		285		125		10
SAMPLE SIZE	8	N/A	8	N/A	8	N/A	5
SPECS	C-N-M	B	C-N-M	B	C-N-M	B	C-N-M
RESULTS	933		416		244		24
	949		416		258		21
	942		393		252		23
	958		405		241		20
	956		437		351		22
C=CR N=NAS	960		447		247		
M=MIL B=BAC	931		452		254		
LOAD VALUES							
IN POUND	924		461		253		

PCS.	ITEM	STATUS	PCS.	ITEM	STATUS
20	EXAMINATION	PASS	20	INSTALLATION (Min and Max Grips)	PASS

**Comments:**

Blind Fastener

Tr. Rev: Q Code

Rev. Date: 9/14/2016 V09

Inspector

L Pizano



The parts contained in this shipment have been manufactured and inspected in accordance with TSO-C148. The conditions and tests required for TSO approval of this article are minimum performance standards. Aircraft fasteners approved under this TSO are not necessarily interchangeable with other aircraft fasteners approved under this TSO. Fasteners of similar dimensional properties may have widely varying performance and metallurgical properties. Substitution of parts may only be done if acceptable to or approved by the Administrator.

This test report shall not be reproduced except in full, without the written approval of the laboratory.

The recording of false, fictitious, or fraudulent statement or entries on the certificate may be punished as a felony under Federal law.

Form No. 1141-10-75 Rev. F 07/15/10 CR10-0832

Page 1 of 2



**CHERRY** \*AEROSPACE

SPS Performance Division, a PCE Company



Accredited

**Nadcap**

Chemical Processing  
Heat Treating  
ISO/IEC 17025  
Material Testing Lab

1224 East Warner Avenue  
Santa Ana, CA 92707-0157

## Final Inspection & Test Report CherryMax® Rivet

An ISO9001 and AS9100 registered company. OASIS #6111041606

Lot I.D. No.: 88168754

Rev: -

### Customer Parts List

<u>Customer Part Number</u>	<u>Rev</u>	<u>Proc. Spec.</u>	<u>Rev</u>
132269A404	F	NAS1686	4
ASNA0078A404	R	NAS1686	4
B0207005-4-04	E	MIL-R-7885	D2
CAN43078B4-4	8	NAS1686	4
M7885/2-4-04	D	MIL-R-7885	D2
MBBN3012L3204	01/06	MBBN3015	12.2003
NAS9301B-4-04	6	NAS1686	4
NAS9301BNS-4-04	6	NAS1686	4

Parts delivered in accordance with the standard amendments as agreed by Cherry/EADS.





# ASC INDUSTRIES

A Division Of ASC INTERNATIONAL, INC.

1227 CORPORATE DRIVE WEST  
ARLINGTON, TEXAS 76006

PHONE: (817) 640-1300  
FAX: (817) 649-2685

ASC INDUSTRIES  
1225 CORPORATE DRIVE WEST  
ARLINGTON, TEXAS 76006

SALES ORDER NO.

332941-003

SOLD TO: 935810-14  
AVIALL  
ACCOUNTS PAYABLE  
P O BOX 619048  
DALLAS, TX

SHIP TO:  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT, TX 75261

75261-9048

F.O.B./INCOTERMS: EXWORKS

YOUR ORDER NO 45490351

TERMS: 1/2% 10, Net 30 Days Unless Otherwise Noted

VIA

INVOICE DATE

1/2% 10 DAYS NET 30

Item Quantity Due Quantity Shipped

Part Number

U/M

\*\*\*\*\*

10 5800 5800 MS21043-4  
Description: NUT, CRES, SELF-LOCKING  
ECCN: 9A991D SCHED B: 7318160000  
Mfr: FITZ AEROSPACE  
Lot#: 195235-1 Rev: 3 (100)  
COO: U.S.A. 100%

E

Mfr: FITZ AEROSPACE  
Lot#: 190295-1 Rev: 3 (5700)  
COO: U.S.A. 100%

MFR. CERTS REQUIRED

PKG 100 PER

EACH CONTAINER WEIGHT SHALL NOT  
EXCEED 50 LBS.

DO NOT SHIP IN OTHER THAN  
PACKAGE QUANTITY.

FOR ITEMS THAT HAVE A SHELF LIFE,  
SUCH ITEMS WILL HAVE THE GREATER  
OF (i) 80% OF ITS SHELF LIFE  
OR (ii) TWO (2) YEARS OF SHELF

\*\*\*\*\* CONTINUED ON NEXT PAGE \*\*\*\*\*

Gross / Net Wt

No Ctns

## \*CERTIFICATE OF CONFORMANCE\*

The material contained in this shipment was produced in accordance with applicable specification requirements and certification indicating conformance is on file subject to examination. ASC disclaims any responsibility for manufacturing or functional defects and hereby limits express or implied warranties to liability for the cost of replacing or refunding the value of this material. Buyer, in accepting delivery of this material, acknowledges awareness of such limitations of liability.

Please note that an ASC return material authorization number must be issued for all returns. Lot traceability is mandatory for all returns. Return of any merchandise will not be accepted after ninety days from date of shipment.

Signed

*Gerald Newell*  
Quality Assurance Manager

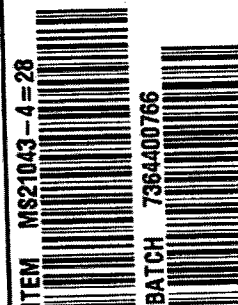
(GERALD NEWELL)

"This document is electronically signed"

DATE: 09/30/16

PACKING LIST / CERTIFICATION

DLOGAN  
11/04/16



TRACK #: S98729



# ASC INDUSTRIES

A Division Of ASC INTERNATIONAL, INC.

1227 CORPORATE DRIVE WEST  
ARLINGTON, TEXAS 76006

PHONE: (817) 640-1300  
FAX: (817) 649-2885

ASC INDUSTRIES  
1225 CORPORATE DRIVE WEST  
ARLINGTON, TEXAS 76006

SALES ORDER NO.  
**332941-003**

SOLD TO: 935810-14  
AVIALL  
ACCOUNTS PAYABLE  
P O BOX 619048  
DALLAS, TX

75261-9048

SHIP TO:  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT, TX 75261

F.O.B./INCOTERMS: EXWORKS

YOUR ORDER NO 45490351

TERMS: 1/2% 10, Net 30 Days Unless Otherwise Noted

VIA

INVOICE DATE

1/2% 10 DAYS NET 30

Item Quantity Due Quantity Shipped

Part Number

U/M

LIFE AT TIME OF SHIPMENT.

\*\*\*\*\*

20 6 6 MS20426AD4-5  
Description: RIVET, ALUMINUM, SOLID, C'SUNK 100  
ECCN: 9A991d SCHED B: 7616103000  
Mfr: ALLFAST FASTENING SYS.  
Lot#: S130806007L Rev: 2 (1)  
COO: U.S.A. 100%

P

Mfr: ALLFAST FASTENING SYS.  
Lot#: S140505008L Rev: 3 (5)  
COO: U.S.A. 100%

MFR. CERTS REQUIRED  
PKG 1LB PER  
EACH CONTAINER WEIGHT SHALL NOT  
EXCEED 50 LBS.  
DO NOT SHIP IN OTHER THAN  
PACKAGE QUANTITY.

\*\*\*\*\* CONTINUED ON NEXT PAGE \*\*\*\*\*

Gross / Net Wt

No Ctns

## \*CERTIFICATE OF CONFORMANCE\*

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Signed

*Gerald Newell*  
Quality Assurance Manager  
(GERALD NEWELL)

"This document is electronically signed"

DATE: 09/30/16

PACKING LIST / CERTIFICATION

TRACK #: S98729

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# ASC INDUSTRIES

A Division Of ASC INTERNATIONAL, INC.

1227 CORPORATE DRIVE WEST  
ARLINGTON, TEXAS 76006

PHONE: (817) 840-1300  
FAX: (817) 649-2685

ASC INDUSTRIES  
1225 CORPORATE DRIVE WEST  
ARLINGTON, TEXAS 76006

SALES ORDER NO.

332941-003

SOLD TO: 935810-14  
AVIALL  
ACCOUNTS PAYABLE  
P O BOX 619048  
DALLAS, TX

SHIP TO:  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT, TX 75261

75261-9048

F.O.B./INCOTERMS: EXWORKS

YOUR ORDER NO 45490351

TERMS: 1/2% 10, Net 30 Days Unless Otherwise Noted

VIA

INVOICE DATE

1/2% 10 DAYS NET 30

Item Quantity Due Quantity Shipped

Part Number

U/M

FOR ITEMS THAT HAVE A SHELF LIFE,  
SUCH ITEMS WILL HAVE THE GREATER  
OF (i) 80% OF ITS SHELF LIFE  
OR (ii) TWO (2) YEARS OF SHELF  
LIFE AT TIME OF SHIPMENT.

Gross / Net Wt

No Ctns

## \*CERTIFICATE OF CONFORMANCE\*

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Please note that an ASC return material authorization number must be issued for all returns. Lot traceability is mandatory for all returns. Return of any merchandise will not be accepted after ninety days from date of shipment.

Signed

*Gerald Newell*  
Quality Assurance Manager

(GERALD NEWELL)

"This document is electronically signed"

DATE: 09/30/16

PACKING LIST / CERTIFICATION

INTENTIONALLY  
LEFT BLANK

TRACK #: S98729



12:04 pm - 245371-1

6625 Iron Horse Blvd. - North Richland Hills, TX 76180  
Phone (817) 281-8816 - Fax (817) 498-6974

**B I L L**  
ASC INDUSTRIES  
1225 CORPORATE DRIVE W  
ARLINGTON, TX 76006

**S H I P**  
ASC INDUSTRIES  
1225 CORPORATE DRIVE W  
ARLINGTON, TX 76006

75102	08/12/2015	1% 10th Net 30	198473	UPS GROUND

001	25000	25000	MS21043-4	Rev. 3	EACH
			Test Reports Full		
			Qty: 25000	FMI Lot#: 190295-1	Bin: SHIPPING
			><< DUAL CERT TO P/N NAS1291C4 > <i>Revision 14</i> <i>CR 8-14-15</i>		
			SHIPMENTS OVER 150 LBS: CALL UNISHIPPERS AT 800-999-8727 AND ASK FOR GINA OR AHSLEY. ADVISE THEM A SHIPMENT IS READY FOR ASC INDUSTRIES AND PROVIDE UNISHIPPERS THE ASC PURCHASE ORDER. ANY QUESTIONS, CALL BOB MCCOLLUM OR RICH DAVIS AT 817-640-1300.		
			UPS ACCT # 750-097		
			<i>Heat # C4A96 CR 8-12-15</i>		

<input checked="" type="checkbox"/> Mfg C of C	<input checked="" type="checkbox"/> Finish Certs	<input type="checkbox"/> Mercury	<input type="checkbox"/> Test Reports Y N
<input checked="" type="checkbox"/> FAI	<input checked="" type="checkbox"/> Heat Treat Certs	<input type="checkbox"/> Pulled	<input type="checkbox"/> Boxed
<input checked="" type="checkbox"/> Chem & Phys	<input checked="" type="checkbox"/> NDT	<input type="checkbox"/> Bagged	<input type="checkbox"/> Shipped



12:04 pm - 245371-1

6625 Iron Horse Blvd. - North Richland Hills, TX 76180,  
Phone (817) 281-8816 - Fax (817) 498-6974

**B I L L**  
ASC INDUSTRIES  
1225 CORPORATE DRIVE W  
ARLINGTON, TX 76006

**S H I P**  
ASC INDUSTRIES  
1225 CORPORATE DRIVE W  
ARLINGTON, TX 76006

75102	08/12/2015	1% 10th Net 30	198473	UPS GROUND

001	25000	25000	MS21043-4 Test Reports Full Qty: 25000 FMI Lot#: 190295-1	Rev. 3 Bin: SHIPPING	EACH
><< DUAL CERT TO P/N NAS1291C4 >> * Revision 14 CR 8-14-15					
SHIPMENTS OVER 150 LBS: CALL UNISHIPPERS AT 800-989-8727 AND ASK FOR GINA OR AHSLEY. ADVISE THEM A SHIPMENT IS READY FOR ASC INDUSTRIES AND PROVIDE UNISHIPPERS THE ASC PURCHASE ORDER. ANY QUESTIONS, CALL BOB MCCOLLUM OR RICH DAVIS AT 817-640-1300.					
UPS ACCT # 750-097					
Plate # C4A96 CR 8-12-15					

<input checked="" type="checkbox"/> Mfg C of C	<input checked="" type="checkbox"/> Finish Certs	<input type="checkbox"/> Mercury	<input type="checkbox"/> Test Reports Y N
<input type="checkbox"/> FAI	<input checked="" type="checkbox"/> Heat Treat Certs	<input type="checkbox"/> Pulled	<input type="checkbox"/> Boxed
<input checked="" type="checkbox"/> Chem & Phys	<input checked="" type="checkbox"/> NDT	<input type="checkbox"/> Bagged	<input type="checkbox"/> Shipped

**Certificate of Conformance**

FMI certifies that the materials, processes and parts furnished in this shipment were produced in accordance with all applicable drawings, specifications and purchase order requirements. Inspection and/or test reports indicating conformance are on file and available for examination. All claims for error, shortage or damage must be made within 10 days after receipt of goods. No goods to be returned without FMI issued Return Authorization Number (RMA). We do not assume financial responsibility or liability from the use of products sold, other than the replacement value of products sold.

*Rolando Espinoza*

*Cathy Clark*

CF 801-3 REV.5 6/8/2012

CERTIFICATION

Authorized Signature

**Fitz Aerospace****Certificate of Quality Conformance**

To: ASC INDUSTRIES  
1225 CORPORATE DRIVE W  
ARLINGTON, TX 76006

Part Number: MS21043-4  
Lot Number: 190295-1  
P.O. Number: 198473  
Quantity: 25,000

**Acceptance Tests per NASM25027 Rev. 1/NASM21043 Rev. 3****Material:**

Raw Material Type: A286 CRES Certification Date: 08/27/2014  
Raw Material Conforms To: AMS5731L (see attached Certificate of Conformance)  
Fitz P.O. Number: 4039092 Heat Number: C4A96  
Vendor: Brown Pacific Material Diameter: 0.341/0.343  
Thread Specification Number: .2500-28 UNJF 3B  
(System 22 gaging for .1900-32 and larger)

**Finish:**

Finish Type: Silver Plate per AMS2410  
Lubricant Type: N/A

**Axial Strength:**

Required LBS. Minimum: 4,580 All sample pieces tested meet or exceed the  
Tenstile Strength Range: 7,768-7,701 minimum requirements.  
Sample Size: 10

**Workmanship:**

Conforms dimensionally to NASM25027 Rev. 1/NASM21043 Rev. 3 standard.  
Bearing Surface Squareness as specified per NASM25027 Rev. 1

**Torque Test**

Required Torque: 3.5-30 in lbs All sample pieces tested meet or exceed the  
Torque Range: 5-17.5 in lbs requirements.  
Sample Size: 27

**Magnetic Permeability:**

The magnetic permeability of subject parts was tested and found to be less than 2.0 (air = 1.0) for a field strength of H = 200 oersteds using and indicator in accordance with ASTM A 342.

**Discontinuities:**

Within limits per NASM25027 Rev. 1 Specification: ASTM E 1417 Rev. 13  
Sample Size: 32  
Accepted: 32

This document certifies that the above parts have been tested in accordance with the listed specifications. All applicable techniques and records are on file and available for review.

This certification applies only to the item(s) identified above and shall not be reproduced, except in full, without written approval of Fitz Aerospace.

Cathy Clark

Authorized Quality Assurance Signature  
Cathy Clark

8/12/2015

Date





4374 Lancaster  
Highway,  
Richburg, SC 29729  
US

**CERTIFICATE OF TEST**  
Cert No. 32285 Rev. 1

Batch -  
48987  
Heat -  
C4A96

*Chad E. Evans*

Chad E. Evans/les  
Certification Auditor  
Date: August 27, 2014

4039092-1-3-17797

**Customer Name & Address**

Brown Pacific Inc  
13639 Bora Drive  
Santa Fe Springs CA 90670 US

**Purchase Order No**

M27180-301

**Sales Order No**

28393

**Sales Order Line No**

1.2

**Size (in)**

0.5630

**Gross section**

Round

**No Pcs**

10

**Weight (lbs)**

7.383

**Alloy**

ATI A286 Alloy

**Specifications**

**Spec Name**

S-1000

S-400

S-4001

**Rev**

12/04/2013

02/21/2014

06/18/12

**Compliance Condition**

Compliant

Compliant

Compliant

**Reference Specifications**

**Spec Name**

AMS 5731

AMS 5732

AMS 5734

AMS 5737

AMS 5853

AMS 7235

ASTM A453/A453M

C50T35

**Rev**

L

J

K

P

C

D

2011

S4 AM.

**Class**

**Compliance Condition**

Capability

Capability

Capability

Capability

Chemistry Only

Capable Of

Chemistry Only

Chemistry Only

**As Shipped Condition**

**Heat Treat**

Mill Annealed

**Remarks:**

Material was mill annealed and direct quenched.

**Surface Finish**

As Hotworked

**Hot Work Type**

Roller

**Melt Method Details**

**Primary Melt**

Argon Oxygen Decarbonization

**Remelt**

Electroslag Remelt

**Facility**

ATI Allegheny Ludlum

**Facility**

ATI Alivac

**Address**

Rt. 981 N., Latrobe, PA 15650 US

**Address**

695 Ohio Street, Lockport, NY 14094 US

Certification  
Reviewed  
Accepted

2

Fitz Aerospace

These Test Reports Apply To:

Mat. P.O. # 4039092-1

M# 190295-1

By/Date DAW 11-6-14

ATI Allvac-4374 Lancaster Highway, Richburg, SC 29729 US

Batch - 48987

Heat - C4A96

**CHEMISTRY**

Sample Source			Heat Avg
Test Facility			ATI Allvac - Monroe
Elements	UCM	Method	Average
C	%	CS	0.03
Mn	%	XRF	0.39
P	%	XRF	0.014
S	%	CS	<0.001
Si	%	XRF	0.04
Cr	%	XRF	14.31
Ni	%	XRF	24.62
Mo	%	XRF	1.14
Ti	%	XRF	2.03
B	%	OES	0.007
V	%	XRF	0.20
Co	%	XRF	0.24
Al	%	XRF	0.21
Cu	%	XRF	0.11
Zr	%	XRF	<0.01

**Remarks:**

CS = Combustion/IR Detection

OES = Spark Optical Emission

XRF = X-Ray Fluorescence

Sample Source			Ladle
Test Facility			ATI Allvac - Monroe
Elements	UCM	Method	
Pb	PPM	WET	<1
Bi	PPM	WET	<0.1

**Remarks:**

WET = Mass Spectroscopy

Test Methods: C/S/O/N = ASTM E1018 (2008); XRF = ASTM E572 (2002A/2008\*2), ASTM E1085 (2009), ASTM E2465 (2006); OES = ASTM E416 (2008), ASTM E1086 (2008)

**MECHANICAL****As Shipped**

PLANT: MILL ANNEALED/DIRECT QUENCHED

**Tensile**

Place ID	Sample Direction	Sample Location	Test Temperature	Ultimate Strength (ksi)	Initial Diameter	Crosshead Speed	Test Facility
S	L	C	ROOM	80.4	.674	.05	Acuren

**Remarks:**

L = Longitudinal

C = Center

ASTM E8/E8M (2013A)

**Hardness**

Place ID	Sample Direction	Sample Location	Hardness Value (Rockwell)	Hardness Type	Test Facility
S	T	MR	70	HRR	Acuren

**Remarks:**

T = Transverse

MR = Mid-Radius

ASTM E18 (2014)

**Test Specimen Heat Treatment(s)**

PLANT: MILL ANNEALED/DIRECT QUENCHED

LABORATORY: 1650F, 2HRS, WQ - 1325F, 16HRS, AC

**Tensile**

Place ID	Sample Direction	Sample Location	Test Temperature	Ultimate Strength (ksi)	0.2% Yield Strength (ksi)	40-Elongation (%)	Reduction of Area (%)	Initial Gage Length (in)	Initial Diameter (in)	Crosshead Speed	Strain Rate (in/in/min)	Test Facility
S	L	C	ROOM	153.6	102.0	28.0	51.6	1.00	.250	.05	.005	Acuren

continued...

Certification  
Reviewed  
Accepted  
2

ATI Allvac-4374 Lancaster Highway, Richburg, SC 29728 US

Batch - 48987

Heat - C4A96

Remarks:

L = Longitudinal

C = Center

ASTM E8/E8M (2013A)

Stress Rupture

Piece ID	Sample Direction	Sample Location	Test Temperature (F)	4D-Elongation (%)	Initial Diameter (in)	Bar Rupture Code	Test Facility
5	L	C	1200	34.0	.2525	Smooth Section Rupture	Westmoreland Mechanical Testing

Stress Rupture Load

Load (ksi)	Time (Hours)
65.0	48.4
70.0	58.4
75.0	64.3
80.0	88.3

Remarks:

L = Longitudinal

C = Center

CSN = Combination Smooth and Notch

ASTM E139 (2011), ASTM E292 (2009\*1)

Hardness

Piece ID	Sample Direction	Sample Location	Hardness Value (Rockwell)	Hardness Type	Test Facility
5	T	MR	33	HRC	Acuren

Remarks:

T = Transverse

MR = Mid-Radius

ASTM E18 (2014)

Test Specimen Heat Treatment(s)

PLANT: MILL ANNEALED/DIRECT QUENCHED

LABORATORY: 1800F, 1HR, WQ - 1325F, 16HRS, AC

Tensile

Piece ID	Sample Direction	Sample Location	Test Temperature	Ultimate Strength (ksi)	0.2% Yield Strength (ksi)	4D-Elongation (%)	Reduction of Area (%)	Initial Gauge Length (in)	Initial Diameter (in)	Grosshead Speed	Strain Rate (in/in/min)	Test Facility
5	L	C	ROOM	153.2	103.6	25.0	59.4	1.00	.255	.05	.005	Acuren

Remarks:

L = Longitudinal

C = Center

ASTM E8/E8M (2013A)

Stress Rupture

Piece ID	Sample Direction	Sample Location	Test Temperature (F)	4D-Elongation (%)	Initial Diameter (in)	Bar Rupture Code	Test Facility
5	L	C	1200	33.6	.2525	Smooth Section Rupture	Westmoreland Mechanical Testing

Stress Rupture Load

Load (ksi)	Time (Hours)
70.0	48.1
75.0	57.2
80.0	63.1

Remarks:

L = Longitudinal

C = Center

CSN = Combination Smooth and Notch

ASTM E139 (2011), ASTM E292 (2009\*1)

Hardness

Piece ID	Sample Direction	Sample Location	Hardness Value (Rockwell)	Hardness Type	Test Facility
5	T	MR	33	HRC	Acuren

Remarks:

T = Transverse

MR = Mid-Radius

ASTM E18 (2014)

Certification  
Reviewed  
Accepted  
2

ATI Allvac-4374 Lancaster Highway, Richburg, SC 29729 US

Batch - 48987

Heat - C4A96

## METALLOGRAPHY

As Shipped

PLANT: MILL ANNEALED/DIRECT QUENCHED

### Grain Size

Place ID	Sample Direction	Sample Location	Structure Type	Uniform ASTM	Test Facility
6	L	S-S	Uniform	8	Acuren

Test Description: Average Grain Size

#### Remarks:

L = Longitudinal

S-S = Surface to Surface

Average Grain Size Test Method = ASTM E112 (2013)

### Ultrasonic

Test Facility: ATI Allvac - Richburg, SC

#### Remarks:

Material was ultrasonically inspected at intermediate billet size and found acceptable.

### Macro

Test Facility	Etchant	Magnification
ATI Allvac - TSAF Monroe, NC	Ferric Chloride	1X

#### Remarks:

Material was macro evaluated at intermediate billet size and found acceptable.

### Outside Source Addresses

#### Outside Testing Laboratory

##### Facility

ATI Allvac

Acuren

Westmoreland Mechanical Testing

##### Address

2020 Ashcraft Avenue, Monroe, NC 28110 USA

4374 Lancaster Hwy., Richburg, SC 29729 USA

221 Westmoreland Drive, Youngstown, PA 15696 USA

### Special Remarks

Material is compliant with DFAR 252.225.7D09.

GEAE S-400 (GT193) Supplier Codes:

ATI Allvac Monroe No. 87012

Westmoreland No. T7869

Acuren No. T7805

### Remarks

Material has been produced, sampled, inspected and tested in accordance with the customer purchase order and referenced specifications and conforms to the requirements unless otherwise noted in this Certificate of Test.

If customer purchase order does not specifically reference a revision to a specification, ATI Allvac will work to the latest revision on file and in effect at the time of order placement.

Any chemical elements analyzed and found to have values below the actual limits of detection may be reported as < less than or reported at the detection level.

When values are reported to the significant places called for in the specifications, rounding will be done in accordance with ASTM E29.

This is to certify that during the manufacturing, handling, testing and inspection, this material did not come in direct contact with mercury or any device employing a single boundary of containment.

ATI Allvac products have not come in contact with radioactive materials during manufacturing or processing.

No weld repair has been performed on this material.

Material melted and manufactured in the United States of America unless otherwise noted in this Certificate of Test.

The recording of false, fictitious, or fraudulent statements or entries on this document may violate Federal statutes, including but not limited to Title 18, Chapter 47 of the United States Code and may be punishable as a felony.

This Certificate of Test shall not be reproduced, except in full, without the written approval of ATI Allvac Quality.

Material Safety Data Sheets (MSDS) - View or print from our site: [www.atimetals.com](http://www.atimetals.com)

Printed copies are available upon request from the ATI Allvac Sales Department.

Certification  
Reviewed  
Accepted  
2



**BROWN-PACIFIC, INCORPORATED**  
13639 BORA DR. / SANTA FE SPRINGS / CALIFORNIA 90670  
(562) 921-3471 • (562) 921-7012 FAX

# MATERIAL TEST REPORT

FOB	SFS	SHIP VIA	-0-	JOB NO	INVOICE NO	-0- 80568
SHIP TO SOLD TO	FITZ MANUFACTURING INDUSTRIES 6625 IRON HORSE BLVD N.RICHLAND HILLS, TX 76180			ORDER DATE	06/12/14	
	FITZ MANUFACTURING INDUSTRIES 6625 IRON HORSE BLVD N.RICHLAND HILLS, TX 76180			CUST P O NO	4039092-3	
				DUE DATE	10/03/14	
	PRODUCT ORDERED			QTY. ORDERED	1200	
0.563 DIA TYPE A-286 CONVERTED TO <del>0.341/0.343 DIA SEAMSAFE MIRAFLEX</del> COATED COIL				THIS MATERIAL WAS MANUFACTURED AND TESTED IN CONFORMANCE WITH THE NOTED SPECIFICA- TIONS THE INFORMATION PRESENTED HEREIN IS CORRECT AS CONTAINED IN THE COMPANY RECORDS FACILITY IS MERCURY & RADIOACTIVE FREE BY: <i>G. Moreno</i> <b>G. MORENO, LAB</b>  10/10/2014 GM  DFAR 252.225-7014 ALT. 1 AND 252.225-7009 COMPLIANT  KNOWINGLY OR WILLFULLY RECORDING FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW, TITLE 18, CHAPTER 47.		

## SPECIFICATIONS

CAP OF AMS 5731L 5732J 5734K 5737P

GRADE	MILL NO	HEAT NO
A-286	18	C4A96

## CHEMICAL ANALYSIS

C: 0.03	AL: 0.21
MN: 0.39	TI: 2.03
P: 0.014	B: 0.007
S: <0.001	CB:
SI: 0.04	TA:
NI: 24.62	CB+TA:
CR: 14.31	CU: 0.11
MO: 1.14	SE:
CO: 0.24	N:
V: 0.20	FE:
CA:	PB: <1PPM
MG:	BI: <0.1PPM
ZR<.01	

ASTM GRAIN SIZE: 6/7

ALLVAC,USA

MACRO:

MICRO:

OTHER:

**Certification  
Reviewed  
Accepted**

2

## MECHANICAL PROPERTIES AND CAPABILITY

AS SHIPPED PROPERTIES	TENSILE, KSI 98.7	YIELD, KSI	% ELON
% R A		HARDNESS	SHEAR, KSI
ETT °F	TENSILE, KSI	YIELD, KSI	% ELON
			% R A
STRESS RUPTURE	TEMP °F	STRESS, KSI	HOURS
	1200F	65	48.4
	TEMP °F	STRESS, KSI	HOURS
	1200F	70	48.1
			% ELON
			34.0
			33.6
H.T PROCEDURE			
1650F 2HRS W/Q, 1325F 16HRS A/C			
	TENSILE, KSI	YIELD, KSI	% ELON
	153.6	102.0	28.0
% R A	51.6	HARDNESS	SHEAR, KSI
		RC 33	
H.T PROCEDURE			
1800F 1HR W/Q, 1325F 16HRS A/C			
	TENSILE, KSI	YIELD, KSI	% ELON
	153.2	103.6	28.0
% R A	53.4	HARDNESS	SHEAR, KSI
		RC 33	
H.T PROCEDURE			
	TENSILE, KSI	YIELD, KSI	% ELON
% R A		HARDNESS	SHEAR, KSI

Certification: 34-123780

# Bodycote

2005 MONTGOMERY STREET - FORT WORTH, TEXAS 76107-4012  
TEL: 817-737-6651 METRO: 817-429-2248 FAX: 817-737-2221

Cert No: 34-123780  
\*CRT124638010851\*  
Certified: 6/26/2015

Bill To

FMI-Fitz Mfg. Ind.  
6625 Iron Horse Blvd.  
N. Richland Hills, TX 76180

Certification  
Reviewed  
Accepted

Ship To

Ship To: 34-27985-1  
FMI-Fitz Mfg. Ind.  
6625 Iron Horse Blvd.  
N. Richland Hills, TX 76180

4043628-1-1

## CERTIFICATION

Order No: 153586	PO Number 4043628	PL Number	Received 6/18/2015 9:38:07 AM
Requirements			Value
Surface Hardness Min (HRC)			24.0
Qty 175110	Wgt 560.352	Part No. MS21043-4	Part Name Rev.3 Lot#190295-1
		Material A-286	
Part Description Age to 130 KSI Min.			
Heat # C4A9C CPC 8-12-15			
175110	560.352	Total	

We hereby certify that the parts described above were given the following Heat Treatment and that the temperatures and test results were obtained with standard approved methods.

Order has been processed in accordance with all requirements of purchase order instructions.

Recorded Values	Readings
Surface Hardness Min (HRC)	34.6
Surface Hardness Max (HRC)	40.0
Quantity Inspected = (Integer)	5

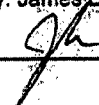
Processed per AMS2759/3E  
Parts tested 67.7-70.5 HRA converted to HRC

Fce#14 - Vacuum Aged @ 1325°F for 16 Hours - Gas Fan Cooled

All processes involved in the production of these articles and requiring specific process approval have been so approved and certificates are on file subject to examination.

All parts were tested in accordance with ASTM E10-14, ASTM E18-15, ASTM E384-11E1, and ASTM A956-12, ASTM E-1004-09 as applicable.

Bodycote Thermal Processing - Fort Worth, Texas  
NADCAP Certificate#3519158829  
AS9100C Certificate#13017ASR001  
Certified: 6/26/2015  
By: James E. Reason - Process Planner



**AAXON LABS, INC.**

4113 MURRAY AVE.  
HALTOM CITY, TX 76117  
(817) 514-6900

**CERTIFICATION****PENETRANT INSPECTION**CUSTOMER: **FITZ AEROSPACE**P.O. #: **4043826**

PRIME: \_\_\_\_\_

AL JOB #: **81324**

SUPPLIER #: \_\_\_\_\_

CUSTOMER JOB #: **LOT# 190295-1**QUANTITY: **32**AL PROCEDURE #: **200M****32 PIECES TO REPRESENT TOTAL LOT OF 175,110 PARTS**PART #: **MS21043-4, REV: 3**PART NAME: **Heat-4 C4A96 CRC 8-12-15**MATERIAL: **A286 CRES AGE HARDENED**INSPECTED PER: **ASTM-E-1417-13**ACCEPTANCE CRITERIA: **MIL-STD-1907-CN4, GRADE A**PROCESS OR GROUP: **TYPE I, METHOD A, LEVEL 3, FORM d**AREA EXAMINED: 100%: **X** OTHER: \_\_\_\_\_PRE-CLEANING: SOLVENT: **X** ALKALINE: \_\_\_\_\_ OTHER: \_\_\_\_\_

ETCH RATE: \_\_\_\_\_ TIME IN: \_\_\_\_\_ TIME OUT: \_\_\_\_\_ ETCH AMT PER SURFACE: \_\_\_\_\_

POST-CLEANING ALKALINE: \_\_\_\_\_ WATER: **X** SOLVENT: \_\_\_\_\_ OTHER: \_\_\_\_\_INSPECTION RESULTS: QTY ACCEPTED: **32**QTY REJECTED: **0**

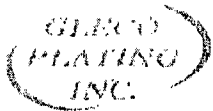
COMMENTS:

THIS DOCUMENT CERTIFIES THAT THE ABOVE PARTS HAVE BEEN PROCESSED IN ACCORDANCE WITH THE LISTED SPECIFICATIONS. ALL APPLICABLE TECHNIQUES AND RECORDS ARE ON FILE AND AVAILABLE FOR REVIEW.

APPROVED BY: *Gary Brothers*

LEVEL 3 INSPECTOR

DATE: **07/15/15****AL  
P1**



Certification  
Reviewed  
Accepted

# Certification

Order No.: 681268

Date: 08/05/2015

Entry Date: 07/13/2015

Page: 1 of 1

To:

FITZ AEROSPACE  
6625 IRON HORSE BLVD.

N. RICHLAND HILLS TX 76180

Purchase Order No.: 4043827

Packing List No.:

Material: Steel

Gleco Plating hereby certifies that the process used for this order is in compliance with the drawings and/or Purchase Order's Specifications.

Quantity	Part Number / Part Name / Part Description	Pounds
175,110	MS21043-4, REV.3, LOT # 190295-1 BARREL MR 2015 STAINLESS STEEL ( 333 PCS PER POUND )	

AMS 5732

C Spec:

Ydeaz #

C4A9L

CPC

4043827-1-1  
8-12-15

-2

Insp. Type	Scale	Minimum	Maximum	Number	Other
<u>Customer Requirements:</u>					

Visual

Results:

Visual

Received By: \_\_\_\_\_

Date: \_\_\_\_\_

Gleco Plating, Inc., 2220 Grisham Drive, Rowlett, Texas 75088

2220 Grisham Drive Rowlett TX 75088

  
Certified By: \_\_\_\_\_

Gleco Plating, Inc. 972-475-4300

Phone: (972) 475-4300

Fax: (972) 475-4139





6625 Iron Horse Blvd.  
North Richland Hills, TX 76180  
Phone 817-281-8816  
Fax 817-479-1574

### Magnetic Permeability Certification

**Part Number:** MS21043-4  
**Description:** Nut, Self-Locking, 800°F, Reduced Hexagon, Reduced Height, Ring Base, Corrosion Resistant Steel  
**Lot Number:** 190295-1  
**Material and Finish:** A286 Silver Plated  
**Heat Number:** C4A96

**Magnetic Permeability Per:** ASTM A342

Magnetic permeability shall be less than 2.0 (AIR = 1.0) for a field strength = 200 Oersteds using a magnetic permeability indicator.

**Magnetic Permeability Indicator S/N:** 6331 **Calibration Date:** 5/7/2015

**Results:** Accept **Quantity:** 27

We certify that, except as otherwise stated, the listed parts have been processed in accordance with the required specification(s). Records are on file and available for examination

This certification applies only to the item(s) identified above and shall not be reproduced, except in full, without written approval of Fitz Aerospace.

All processes involved in the production of these articles and requiring specific process approval have been so approved and certificates are on file.

  
\_\_\_\_\_  
Authorized Quality Assurance Signature  
David Barber

\_\_\_\_\_  
8/6/2015  
Date



6625 Iron Horse Blvd.

North Richland Hills, TX 76180

Phone 817-281-8816

Fax 817-479-1574

### Locking Torque Test Room Temperature

**Part Number:** MS21043-4  
**Description:** Nut, Self-Locking, 800°F, Reduced Hexagon, Reduced Height, Ring Base, Corrosion Resistant Steel  
**Lot Number:** 190295-1  
**Material and Finish:** A286 Silver Plated  
**Heat Number:** C4A96  
**Wrench S/N:** 0613082896  
**Torque Value:** Maximum Inch pounds: 30  
Minimum Inch pounds: 3.5  
**Calibration Date:** 6/26/2015  
**Quantity Tested:** 15  
**Quantity Accepted:** 15  
**Quantity Rejected:** 0

Parts were tested in accordance with the following drawings, procurement specifications, and controlled forms:

NASM21043 Revision "3"


NASM25027 Revision "1"

CF 801-39 Revision "1"

Results:	1st		7th		15th	
	Max	Min	Max	Min	Max	Min
1	13	/	10.5	/	8	/
2	12.5	/	10	/	7.5	/
3	13	/	11	/	9	/
4	9	/	7.5	/	5.5	/
5	9	/	7	/	6	/
6	10	/	8	/	5	/
7	13	/	10.5	/	7.5	/
8	11.5	/	11	/	8.5	/
9	11	/	9.5	/	7	/
10	26	/	20	/	14	/
11	11.5	/	9.5	/	7.5	/
12	8	/	7	/	6.5	/
13	12	/	10.5	/	8	/
14	10.5	/	8.5	/	7	/
15	15	/	13.5	/	12	/
16	/	/	/	/	/	/
17	/	/	/	/	/	/
18	/	/	/	/	/	/
19	/	/	/	/	/	/
20	/	/	/	/	/	/
21	/	/	/	/	/	/
22	/	/	/	/	/	/
23	/	/	/	/	/	/
24	/	/	/	/	/	/
25	/	/	/	/	/	/
26	/	/	/	/	/	/
27	/	/	/	/	/	/

This document certifies that the above parts have been tested in accordance with the listed specifications. All applicable techniques and records are on file and available for review.

This certification applies only to the item(s) identified above and shall not be reproduced, except in full, without written approval of Fitz Aerospace.

  
Authorized Quality Assurance Signature  
David Barber

8/6/2015  
Date



Aug 5, 2015

**.250-28 FASTENER TENSILE STRENGTH - NASM 1312-8 Report No. 715**

Test Date 05-Aug-15 Testing Machine Smart Series

Part #: MS21043-4

Lot Identification 180285-1

Technician D. Barber

Test Bolt Part #: MS21250-04032

Fastener Material A286

Test Bolt Lot #: 1259372

*Heat C4A96 CPC 8-7-15*

Req. Tensile (LBF MIN) 4580

Load Cell S/N (TV1106550), Units (Lbs): 30000

Crosshead Speed (Inches / min) or Rate 100000

Displacement Sensor XHD-100 (XHD100)

Test No	Specimen ID	Tensile (lbs)	Tensile Str. (psi)
5456	1-01	7,740	158,948
5457	1-02	7,715	158,437
5458	1-03	7,739	158,928
5459	1-04	7,728	158,701
5460	1-05	7,729	158,724
5461	1-06	7,701	158,153
5462	1-07	7,747	159,097
5463	1-08	7,768	159,516
5464	1-09	7,714	158,404
5465	1-10	7,712	158,370
	Mean	7,729	158,727
	Median		158,701
	Std Dev	20	408
	Maximum	7,768	159,516
	Minimum	7,701	158,153
	Range	68	1,363



By: *[Signature]*

Date: 8/5/15

Fitz Manufacturing Industries

6625 Iron Horse Blvd

North Richland Hills, TX 76180

TEL 817-281-8816

FAX

